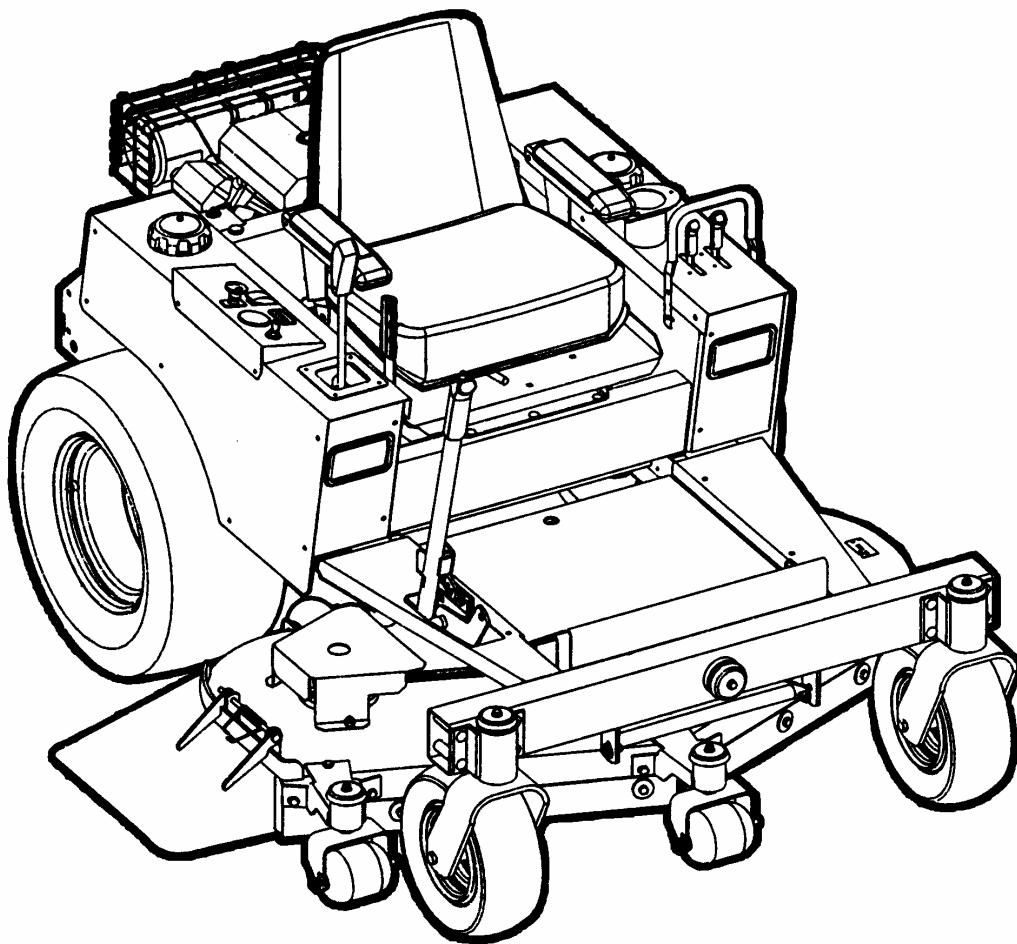


Parts Manual for

SNAPPER®

**MID MOUNT Z-RIDER™
ZERO TURNING HYDRO DRIVE
SERIES 0,1,2**



POWER UNIT MODELS

ZM2200K
ZM2500KH
ZMT2500KH
MZM2200KH
MZM2300KH
ZM2501KH
MZM2301KH
ZM2502KH

MOWER UNIT MODELS

ZM5200M	ZM6100M
ZM5201M	ZM6101M
ZM5202M	ZM6102M

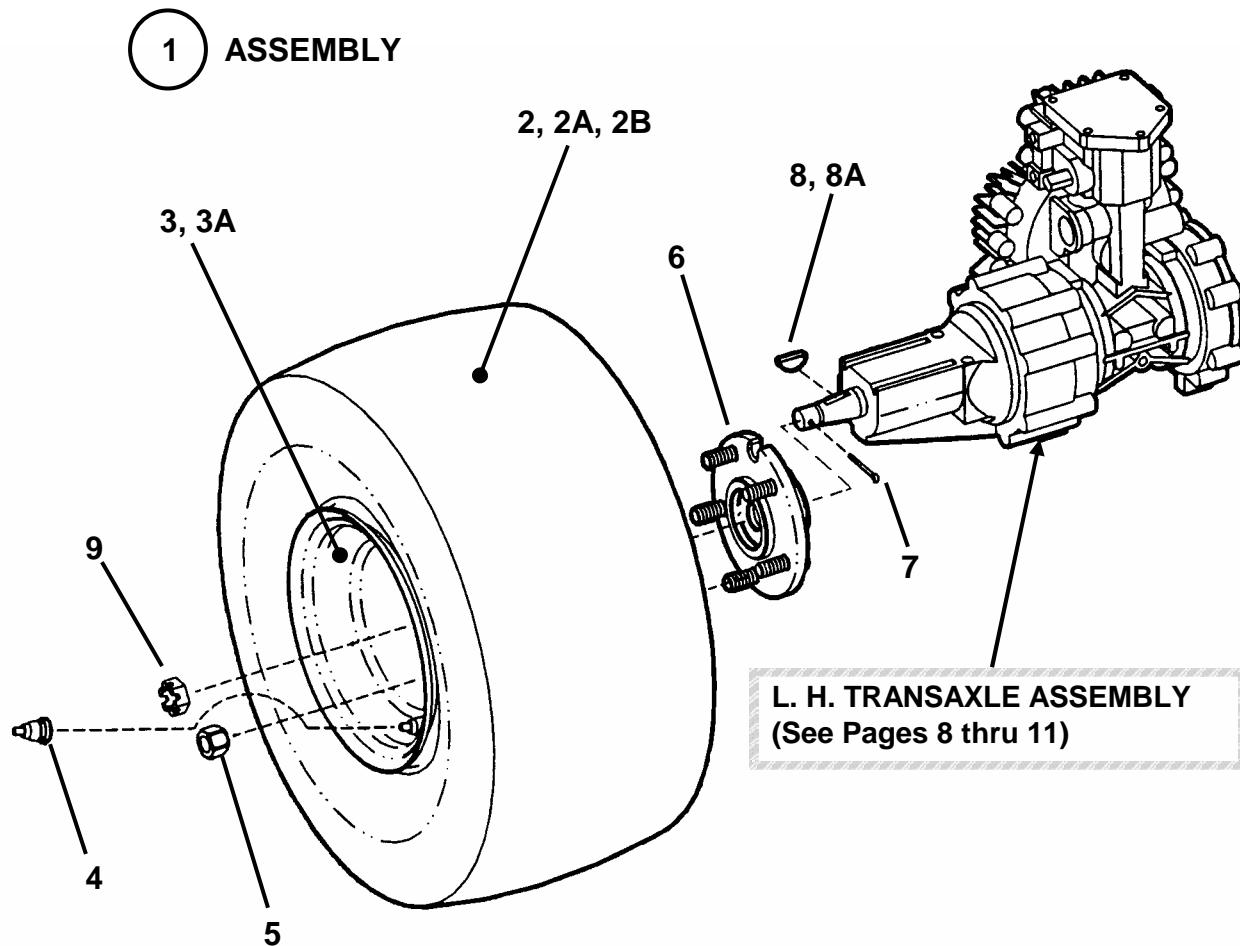
Model ZM2200K shown

SNAPPER® McDonough, GA., 30253 U.S.A.

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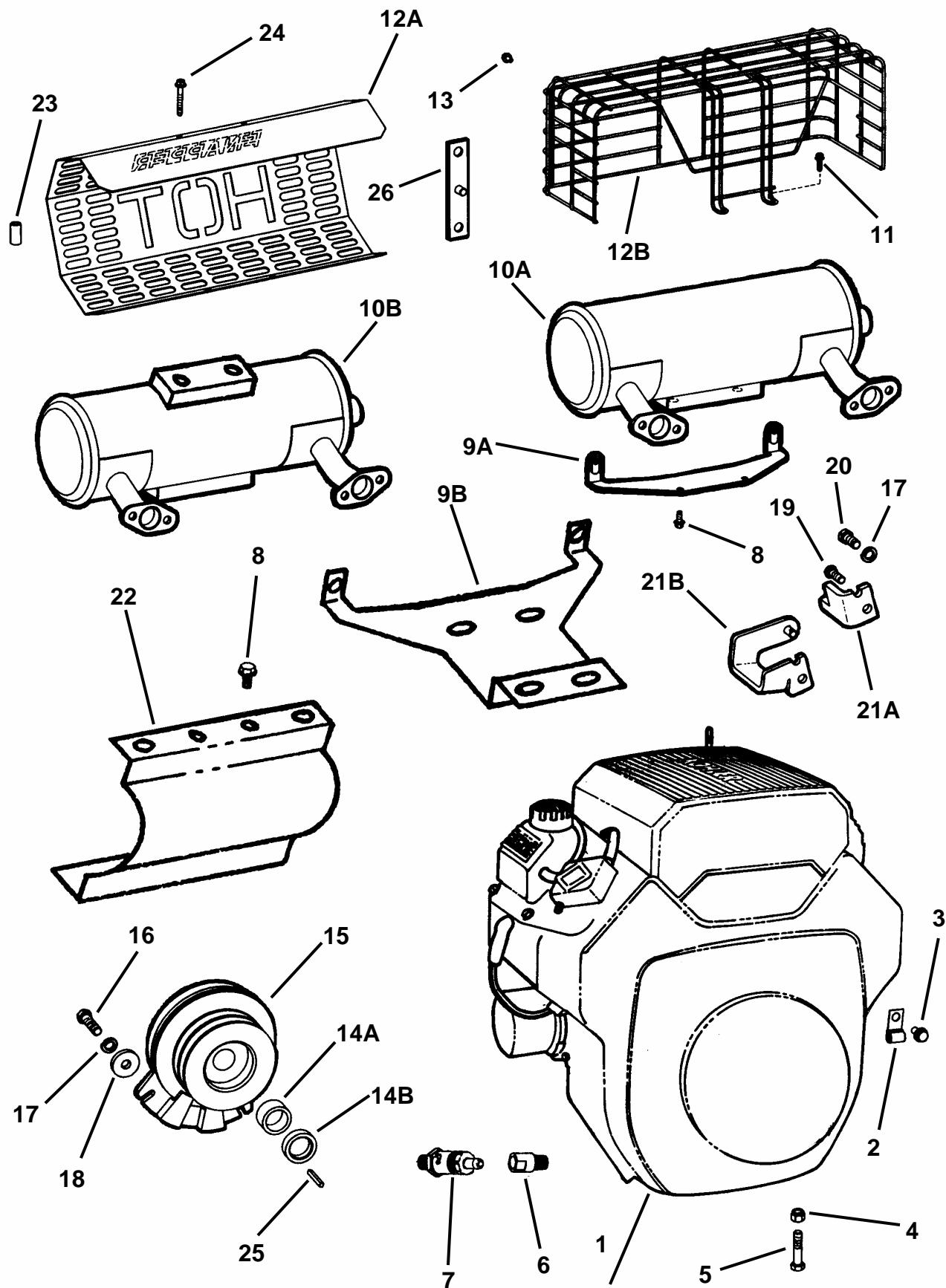
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DRIVE TIRE/WHEEL ASSEMBLY



ITEM	PART NO.	DESCRIPTION
1	5-4526	ASSEMBLY, Rear Tire & Rim (Includes Item 2, 3 & 4)
--	5-7706	ASSEMBLY, Rear Tire & Rim (Left Hand) (Model MZM2200KH Only) (Includes Item 2A, 3A & 4)
--	5-7707	ASSEMBLY, Rear Tire & Rim (Right Hand) (Model MZM2200KH Only) (Includes Item 2A, 3A & 4)
--	5-8193	ASSEMBLY, Rear Tire & Rim (Includes Item 2B, 3 & 4) (Model ZMT2500KH & ZM2501KH)
--	5-9161	ASSEMBLY, Rear Tire & Rim (Includes Item 2C, 3 & 4) (Model ZM2502KH)
2	4-4771	TIRE, 23 x 10.5 - 12 NHS
2A	4-4707	TIRE, 21 x 11 - 8 AG (Model MZM2200KH Only)
2B	7-2110	TIRE, 23 x 10.5 - 12 "Turf Mate"
2C	7-4157	TIRE, 23 x 10.5 - 12 "Super Turf"
3	4-4772	RIM, 12" Diameter x 7.00"
3A	4-7032	RIM, 8" Diameter x 6-3/8 (Model MZM2200KH Only)
4	1-2234	VALVE, Air
5	2-7192	NUT, 1/2-20 Lug (5)
6	5-4461	ASSEMBLY, Wheel Hub
7	9-1793	PIN, 9/64 x 1-1/2" Cotter
8	9-1778	KEY, #808 Woodruff
8A	9-1978	KEY, #806 Woodruff (Model ZMT2500KH, ZM2501KH, ZM2502KH)
9	9-1828	NUT, 3/4-20 Slotted Hex

ENGINE SUB-ASSEMBLY

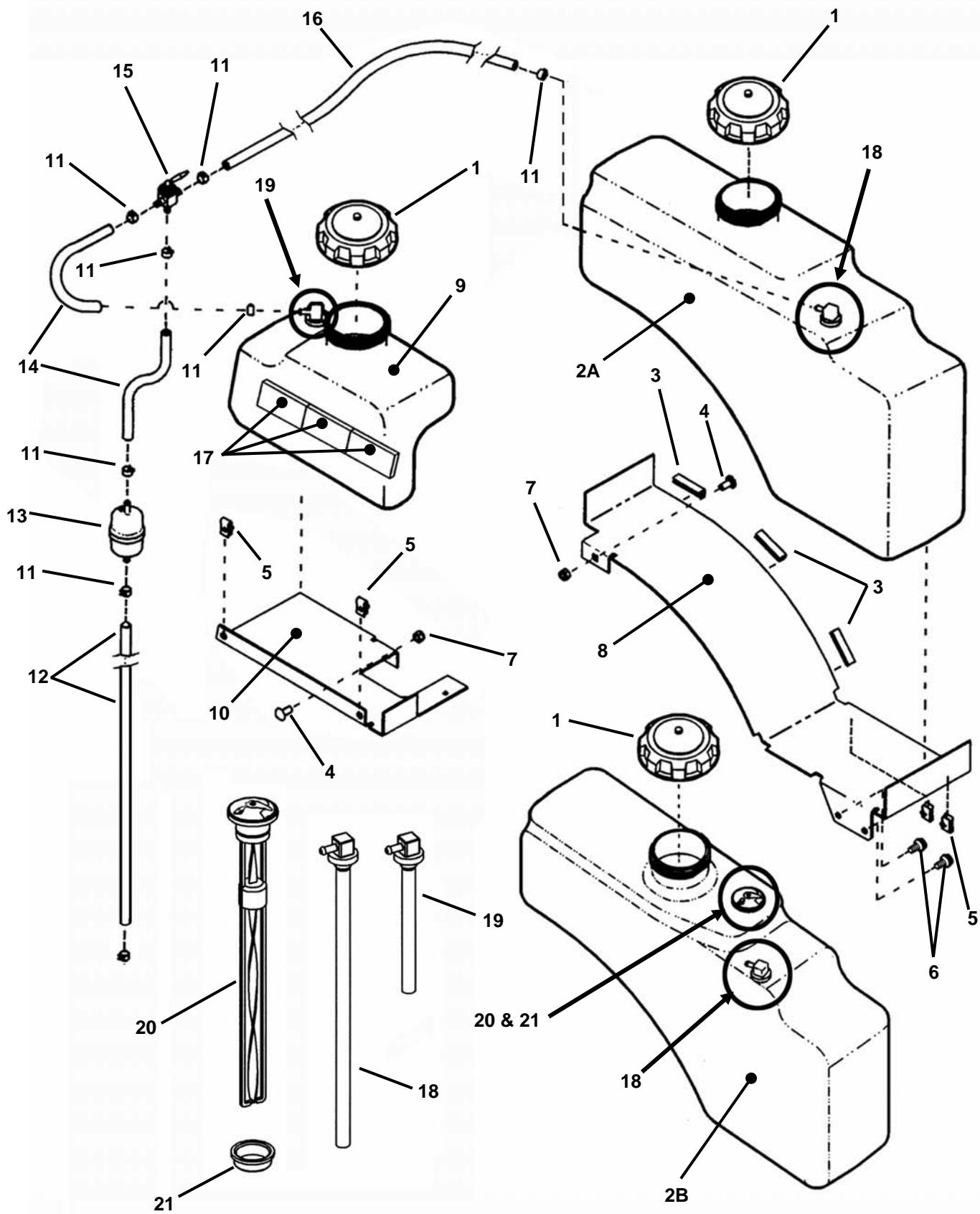


ENGINE SUB-ASSEMBLY

ITEM	PART NO.	DESCRIPTION
1	**	ENGINE, 22HP (Kohler No. CH22S PS-66536)
--	**	ENGINE, 23HP (Kohler No. CH23S PS-76536)
--	**	ENGINE, 25HP (Kohler No. CH25S PS-68577)
2	3-5638	J-CLIP, 3/8" Cushioned (2)
3	9-1523	SCREW, 5/16-18 x 5/8" Hex Washer Self Tap (2)
4	9-1299	NUT, 3/8-16 Nyloc (4)
5	9-1553	SCREW, 3/8-16 x 1-3/4" Hex Head Cap, Grade 5 (4)
6	2-2486	OIL DRAIN, Short
7	2-7972	ASSEMBLY, Oil Valve
8	9-1838	SCREW, M6 x 1 x 6mm Hex Flange Cap (Qty. 2 for 22 HP; Qty. 4 for 25 HP) (Kohler part no. M-0650012)
9A	4-2708	BRACKET, Muffler, 22HP Kohler
9B	4-6486	BRACKET, Muffler, 25HP Kohler (Series 0)
10A	**	MUFFLER, 22HP Kohler (Kohler part no. A-24 068 00)
10B	4-6488	MUFFLER, 25HP Kohler (Kohler part no. A-24 068 17)
11	9-1839	SCREW, M5 x 8 x 16mm Hex Head Self Tapping (2) (Kohler # M-0545016)
12A	4-2707	GUARD, Muffler
12B	7-2155	GUARD, Muffler (used on ZMT2500KH & ZM2501KH models)
13	9-1840	SCREW, M5 x 8 x 10mm Hex Head Flange (2) (Kohler #M0550010)
14A	3-5675	SPACER, Clutch
14B	4-6410	SPACER, Clutch (Model MZM2200KH Only)
15	3-5520	CLUTCH, Electric
--	4-6409	CLUTCH, Electric (Model MZM2200KH Only)
16	9-1806	SCREW, 7/16-20 x 1-1/2" Hex Head Cap. Grade 5
17	9-1301	WASHER, 7/16" Split Lock (2)
18	9-1807	WASHER, 7/16 I.D. x 1-3/8 O.D. x 1/4 Flat
--	9-1962	WASHER, 7/16" I.D. x 1-5/8" O.D. x 1/4 Flat
19	9-1304	SCREW, 3/8-16 x 1" Hex Head Cap, Grade 5
20	9-1808	SCREW, 7/16-14 x 1", Grade 5
21A	3-5852	BRACKET, Anti-Rotation (5/16")
21B	5-8207	BRACKET, Anti-Rotation (Model MZM2200KH Only)
22	4-6487	SHIELD, Heat, 25HP Kohler
23	7-2256	SPACER, Muffler Guard
24	9-2016	SCREW, 1/4-20 x 1-1/2" Hex Washer Self-Tap (2)
25	1-3250	KEY, 1/4 Square x 1"
26	4-6411	BRACKET, Torque

NOTE: Items 2, 3 & 8 thru 13 are included with engine.

FUEL TANK ASSEMBLY



FUEL TANK ASSEMBLY

ITEM	PART NO.	DESCRIPTION
1	2-8903	CAP, 3-1/2" Fuel (2)
2A	5-4430	FUEL TANK, Main (Includes Item 1 - Fuel Cap)
2B	5-7705	FUEL TANK, Main (Includes Item 1 - Fuel Cap) (MZM2200KH Models Only) (Includes Fuel Gauge)
3	2-6746	TRIM, 2 Inch (3)
4	9-1508	BOLT, 5/16-18 x 3/4" Short Neck Carriage Grade 5 (2)
5	2-3295	U-NUT, 1/4-20 Locking (4)
6	9-1523	SCREW, 5/16-18 x 5/8" Hex Washer Self Tapping (2)
7	9-1298	NUT, 5/16-18 Hex Nylon Insert (2)
8	4-2886	BRACKET, Fuel Tank Support
9	5-4528	FUEL TANK, Auxiliary (Includes Item 1 - Fuel Cap)
10	4-4701	BRACKET, Mounting Auxiliary Fuel Tank
11	2-9900	CLAMP, 7/16" Hose (8) (4 used on MZMs; 8 used on ZMT2500KH; 8 used on ZM2501KH)
12	3-2956	HOSE, 1/4" I.D. x 10" Fuel
13	4-4777	FILTER, 15 Micron Fuel (Included With Engine)
14	3-5853	HOSE, 1/4" I.D. x 4" Fuel (2)
15	4-4681	VALVE, 3-Way Fuel
16	4-4797	HOSE, 1/4" I.D. x 45" Fuel
--	4-5333	HOSE, 1/4" x 36" Fuel (MZM Models Only)
17	7-7345	PAD, Foam (3)
18	5-4529	ASSEMBLY, Fuel Pick-up (Main) (11.75" Long)
19	5-4530	ASSEMBLY, Fuel Pick-up (Auxiliary) (5.25" Long)
20	4-7038	FUEL GAUGE, Kelch
21	4-7112	GROMMET, Fuel Tank Gauge

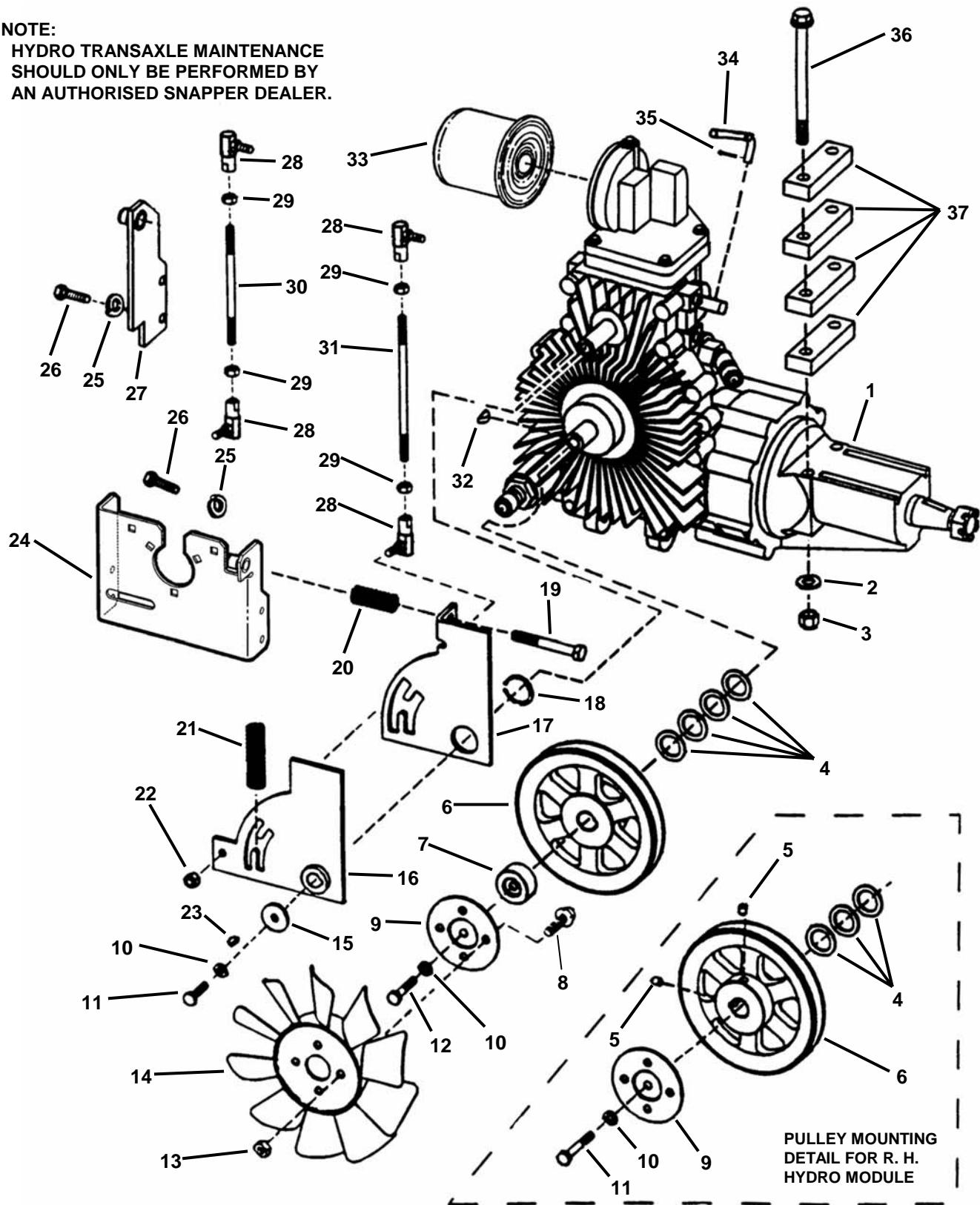
NOTE: Items 9, 10, 12 & 15 are not used with Model MZM2200KH.

TANDEM HYDRO TRANSAXLE ASSEMBLY

(Models ZM2200K, ZM2500KH)

NOTE:

HYDRO TRANSAXLE MAINTENANCE
SHOULD ONLY BE PERFORMED BY
AN AUTHORISED SNAPPER DEALER.



TANDEM HYDRO TRANSAXLE ASSEMBLY

(Models ZM2200K, ZM2500KH)

ITEM	PART NO.	DESCRIPTION
1	5-4437	ASSEMBLY, Transaxle 771B (L.H.) Side (shown)
--	5-4436	ASSEMBLY, Transaxle 771A (R.H.) Side
2	9-1514	WASHER, 13/32 I.D. x 13/16 O.D. Flat (4)
3	9-1299	NUT, 3/8-16, Hex Nyloc (4)
4	1-0935	WASHER, 3/4 I.D. x 1-1/8" O.D. Flat (7)
5	9-0201	SET SCREW, 5/16-18 x 5/16" Hex Recess (4)
6	4-4754	PULLEY, Transmission 4.95" Diameter (2)
7	3-5923	SPACER/ADAPTER, Fan
8	9-1787	SCREW, 1/4-20 x 5/8", Hex Flange Lock, Grade 5 (8)
9	4-2612	SPACER, Fan (2)
10	2-7223	WASHER, 1/4 Split Lock (4)
11	9-1814	SCREW, 1/4-20 x 1-1/4", Hex Head Cap (3)
12	9-0505	SCREW, 1/4-20 x 2", Hex Head Cap, Grade 5
13	9-1603	NUT, 1/4-20 Hex Nyloc (8)
14	4-3897	FAN, Blade 7" Dia. (2)
15	9-1627	WASHER, 1/4 I.D. x 1" O.D. (2)
16	4-2639	CAM, Neutral Return (Weldment) (2)
17	3-5910	PLATE, Neutral Adjust (2)
18	1-2709	RETAINING RING, 1" External (2)
19	2-7175	BOLT, 5/16-18 x 2-1/2" Hex Head (2)
20	3-5915	SPRING, Neutral Return Adjust (2)
21	3-5927	SPRING, Neutral Return (2)
22	9-1812	NUT, 1/4-28, Hex Nyloc (4)
23	1-4264	WOODRUFF KEY, #404 (2)
24	5-9440	ASSY, Driveshaft Bracket
25	9-1315	WASHER, 21/64" Split Lock (6)
26	9-1904	SCREW, 5/16-18 x 7/8", Hex Head Cap (6)
27	5-4293	PLATE, Neutral Return (Weldment)
28	1-5753	BALL-JOINT (4)
29	9-1605	NUT, 1/4-28 Hex, Grade 5 or B (4)
30	4-4755	ROD, Threaded 1/4-28 x 6-5/8"
31	3-5914	ROD, Threaded 1/4-28 x 5-3/8"
32	1-5894	WOODRUFF KEY, #605 (2)
33	4-5184	FILTER, Oil (Eaton)
34	3-5925	ROD, Roll Release (2)
35	9-1629	COTTER-PIN, 1/16 x 1/2" (2)
36	9-1786	BOLT, 3/8-16 x 4-3/4" Grade 5 (4)
37	7-2017	SPACER, Eaton Transaxle (8)

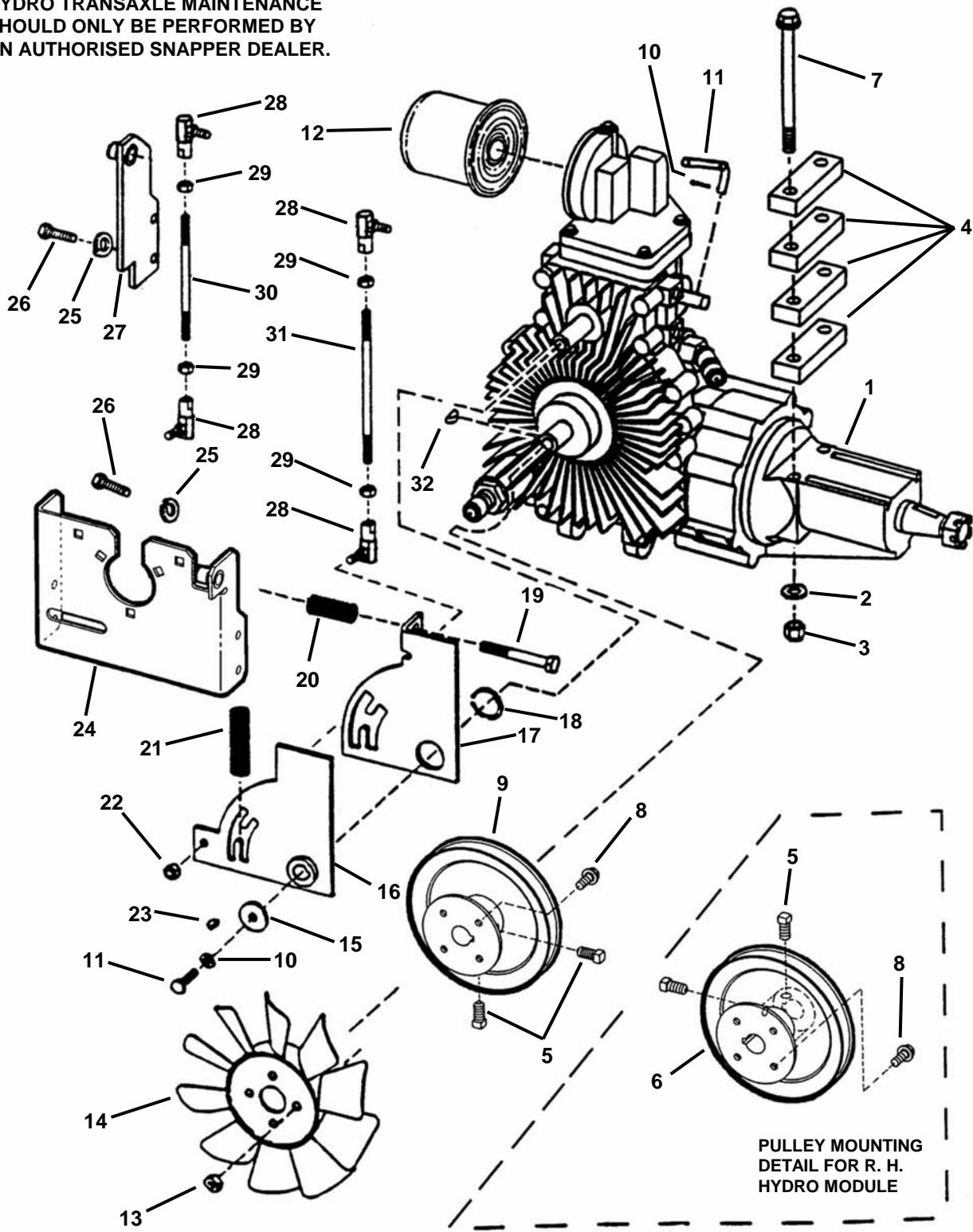
**NOTE: HYDRO TRANSXALE MAINTENANCE SHOULD ONLY BE PERFORMED
BY AN AUTHORIZED SNAPPER DEALER.**

TANDEM HYDRO TRANSAXLE ASSEMBLY

(All Models Except ZM2200K, ZM2500KH)

NOTE:

HYDRO TRANSAXLE MAINTENANCE
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AN AUTHORISED SNAPPER DEALER.

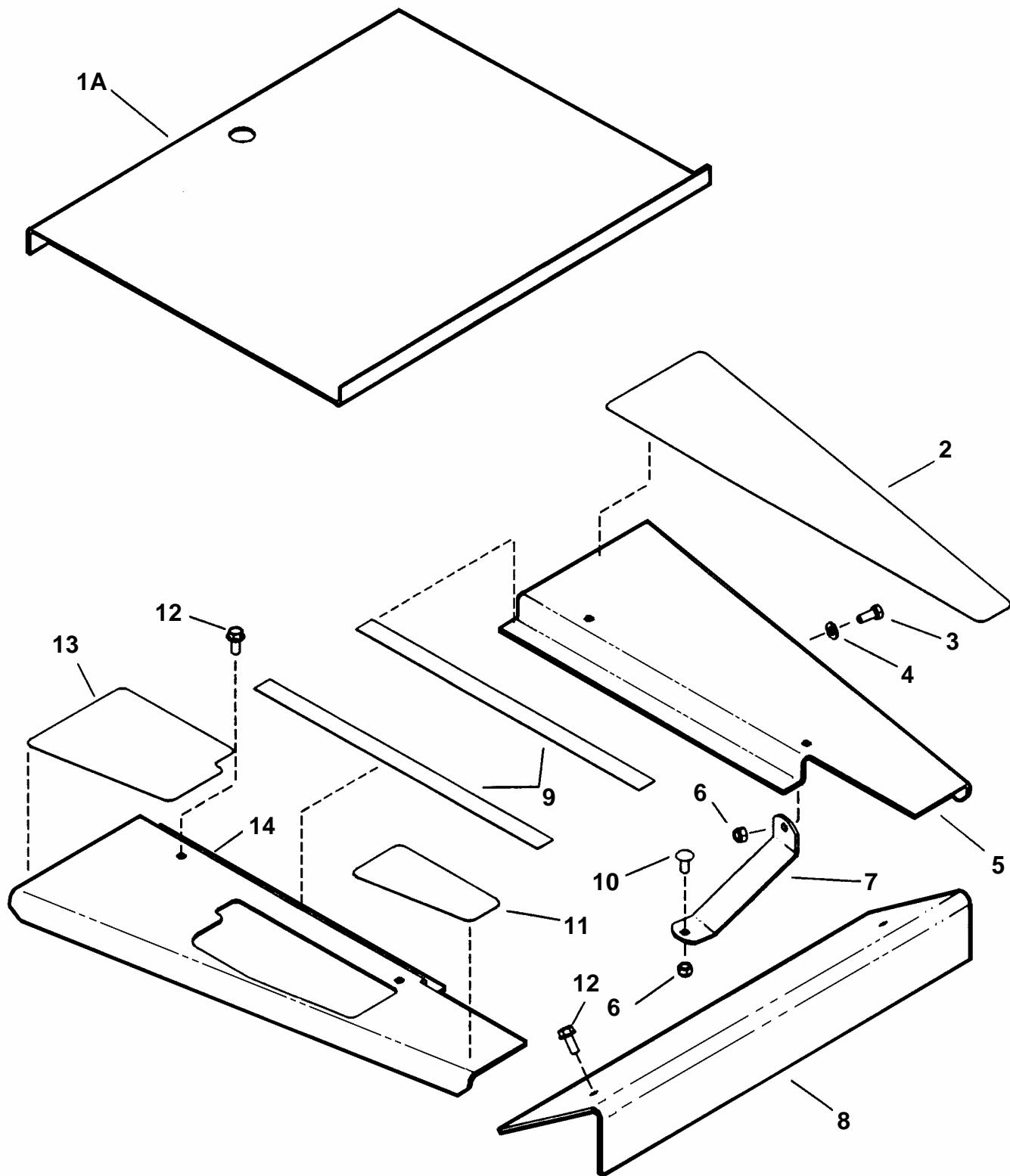


TANDEM HYDRO TRANSAXLE ASSEMBLY
(All Models Except ZM2200K, ZM2500KH)

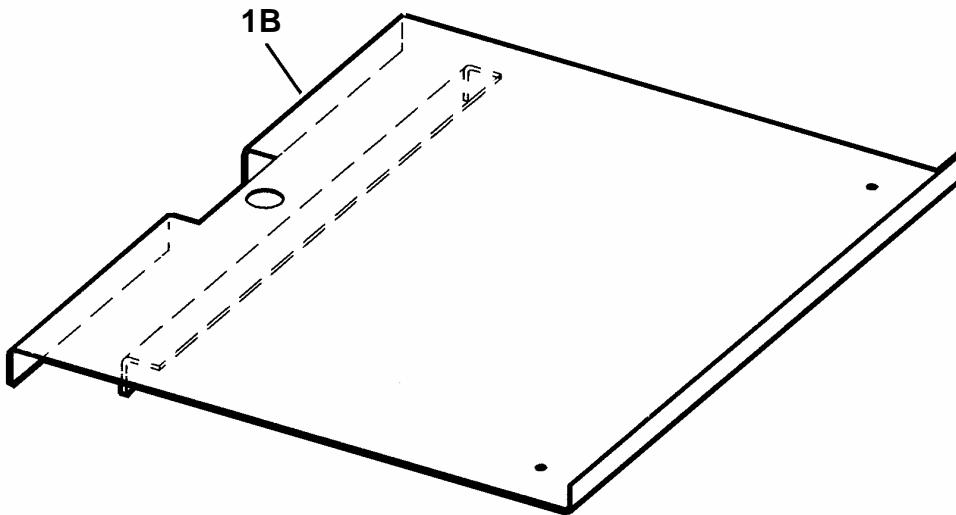
ITEM	PART NO.	DESCRIPTION
1	5-4437	ASS'Y, Eaton Transaxle 771B (L.H.) Side (shown)
--	5-9154	ASS'Y, Eaton Transaxle 771-090 (L.H.) (w/needle bearings)
--	5-4436	ASS'Y, Eaton Transaxle 771A (R.H.) Side
--	5-9153	ASS'Y, Eaton Transaxle 771-089 (R.H.) Side (w/needle bearings)
2	9-1514	WASHER, 13/32 I.D. x 13/16 O.D. Flat (4)
3	9-1299	NUT, 3/8-16, Hex Nyloc (4)
4	7-2017	SPACER, Eaton Transaxle (8)
5	9-1995	SET SCREW, 5/16-18 x 5/16" Square Head (4)
6	4-6967	PULLEY, Transmission (Right Hand) 4.95" Diameter (2)
7	9-1786	BOLT, 3/8-16 x 4-3/4" Hex Flange, Grade 5 (4)
8	9-1787	SCREW, 1/4-20 x 5/8", Hex Flange Lock, Grade 5 (8)
9	4-6966	PULLEY, Transmission (Left Hand) 4.95" Diameter (2)
10	2-7223	WASHER, 1/4 Split Lock (4)
11	9-1814	SCREW, 1/4-20 x 1-1/4", Hex Head Cap (3)
12	9-0505	SCREW, 1/4-20 x 2", Hex Head Cap, Grade 5
13	9-1603	NUT, 1/4-20 Hex Nyloc (8)
14	4-3897	FAN, Blade 7" Dia. (2)
15	9-1627	WASHER, 1/4 I.D. x 1" O.D. (2)
16	4-2639	CAM, Neutral Return (Weldment) (2)
17	3-5910	PLATE, Neutral Adjust (2)
18	1-2709	RETAINING RING, 1" External (2)
19	2-7175	BOLT, 5/16-18 x 2-1/2" Hex Head (2)
20	3-5915	SPRING, Neutral Return Adjust (2)
21	3-5927	SPRING, Neutral Return (2)
22	9-1812	NUT, 1/4-28, Hex Nyloc (4)
23	1-4264	WOODRUFF KEY, #404 (2)
24	5-9440	ASSEMBLY, Driveshaft Bracket
25	9-1315	WASHER, 21/64" Split Lock (6)
26	9-1904	SCREW, 5/16-18 x 7/8", Hex Head Cap (6)
27	5-4293	PLATE, Neutral Return (Weldment)
28	1-5753	BALL-JOINT 1/4-28 Thread (4)
29	9-1605	NUT, 1/4-28 Hex, Grade 5 or B (4)
30	4-4755	ROD, Threaded 1/4-28 x 6-5/8"
31	3-5914	ROD, Threaded 1/4-28 x 5-3/8"
32	1-5894	WOODRUFF KEY, #605 (2)
33	4-5184	FILTER, Oil (Eaton)
34	3-5925	ROD, Roll Release (2)
35	9-1629	COTTER-PIN, 1/16 x 1/2" (2)

**NOTE: HYDRO TRANSXALE MAINTENANCE SHOULD ONLY BE PERFORMED
BY AN AUTHORIZED SNAPPER DEALER.**

FOOTREST ASSEMBLY

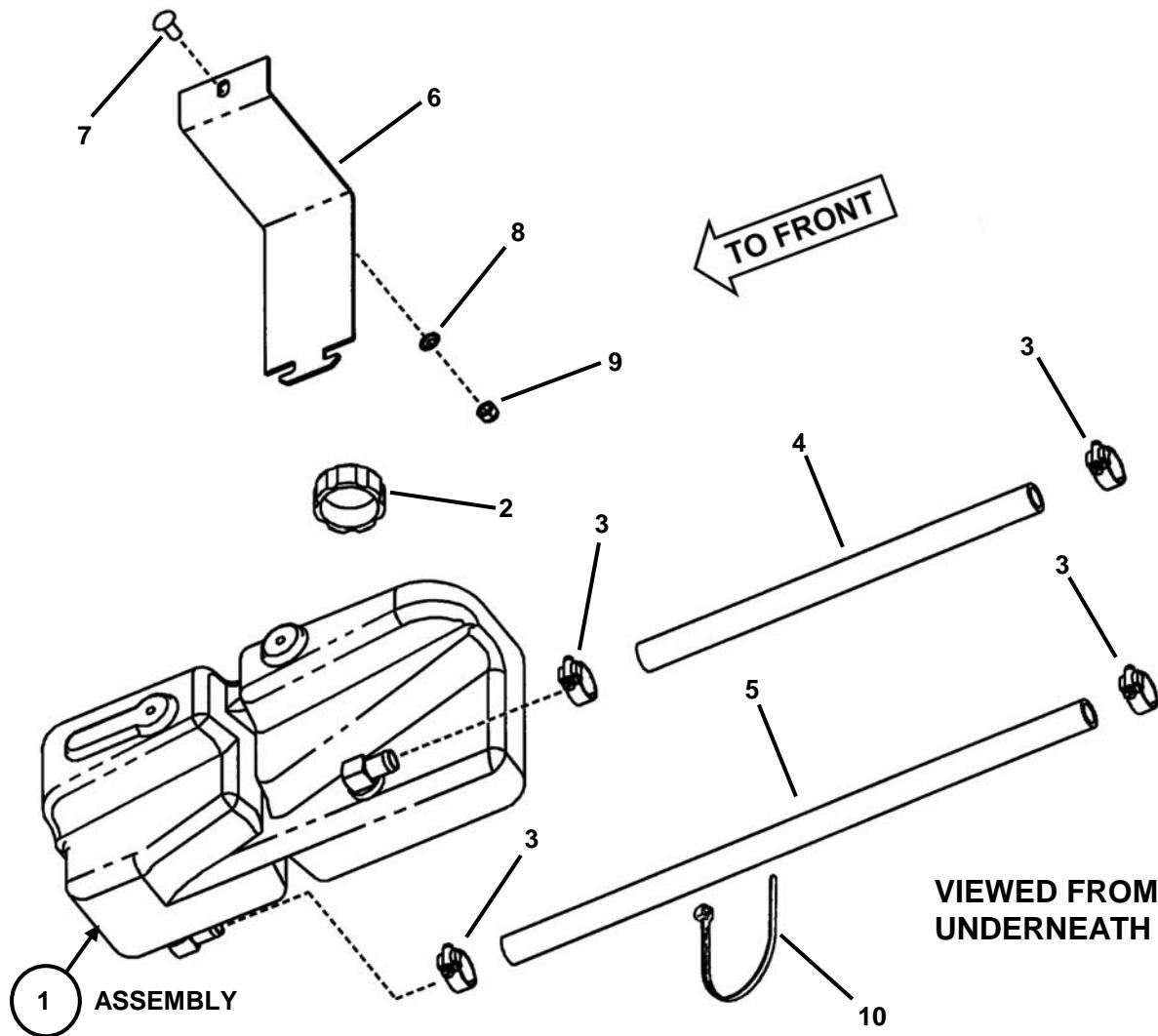


FOOTREST ASSEMBLY



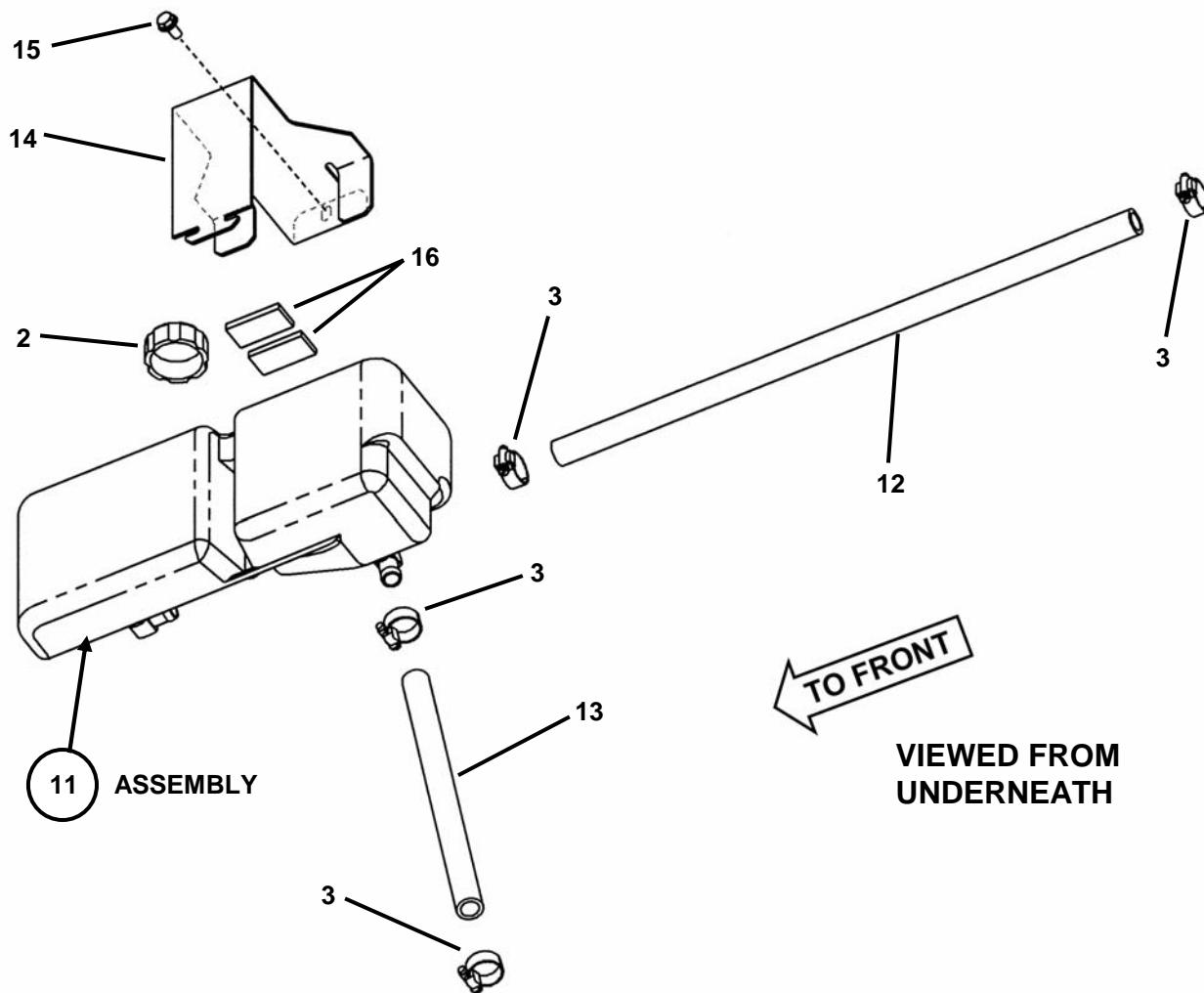
ITEM	PART NO.	DESCRIPTION
1A	4-6727	BRACKET, Floor Pan
1B	5-8362	WELDMENT, Floor Pan (Model ZMT2500KH only!)
2	4-3843	PAD Left Hand Friction
3	9-1318	SCREW, 5/16-18 x 3/4" Hex Head Cap
4	9-1296	WASHER, 11/32" Flat Lock
5	4-3795	BRACKET, Left Hand Footrest
6	9-1298	NUT, 5/16-18 Hex Nylon Insert (2)
7	4-3800	BRACE, Left Hand Footrest
8	4-6730	BRACKET, Footrest
9	4-4867	PAD, Floor Pan Trim (2)
10	9-1508	BOLT, 5/16-18 x 3/4" Carriage Short Neck Grade 5
11	4-4905	PAD, Right Hand Front Friction
12	9-1541	SCREW, 5/16-18 x 3/4" Hex Self Tapping (6)
13	4-3842	PAD, Right Hand Rear Friction
14	4-3794	BRACKET, Footrest (Right Hand)

HYDRO RESERVOIR ASSEMBLY (left hand)



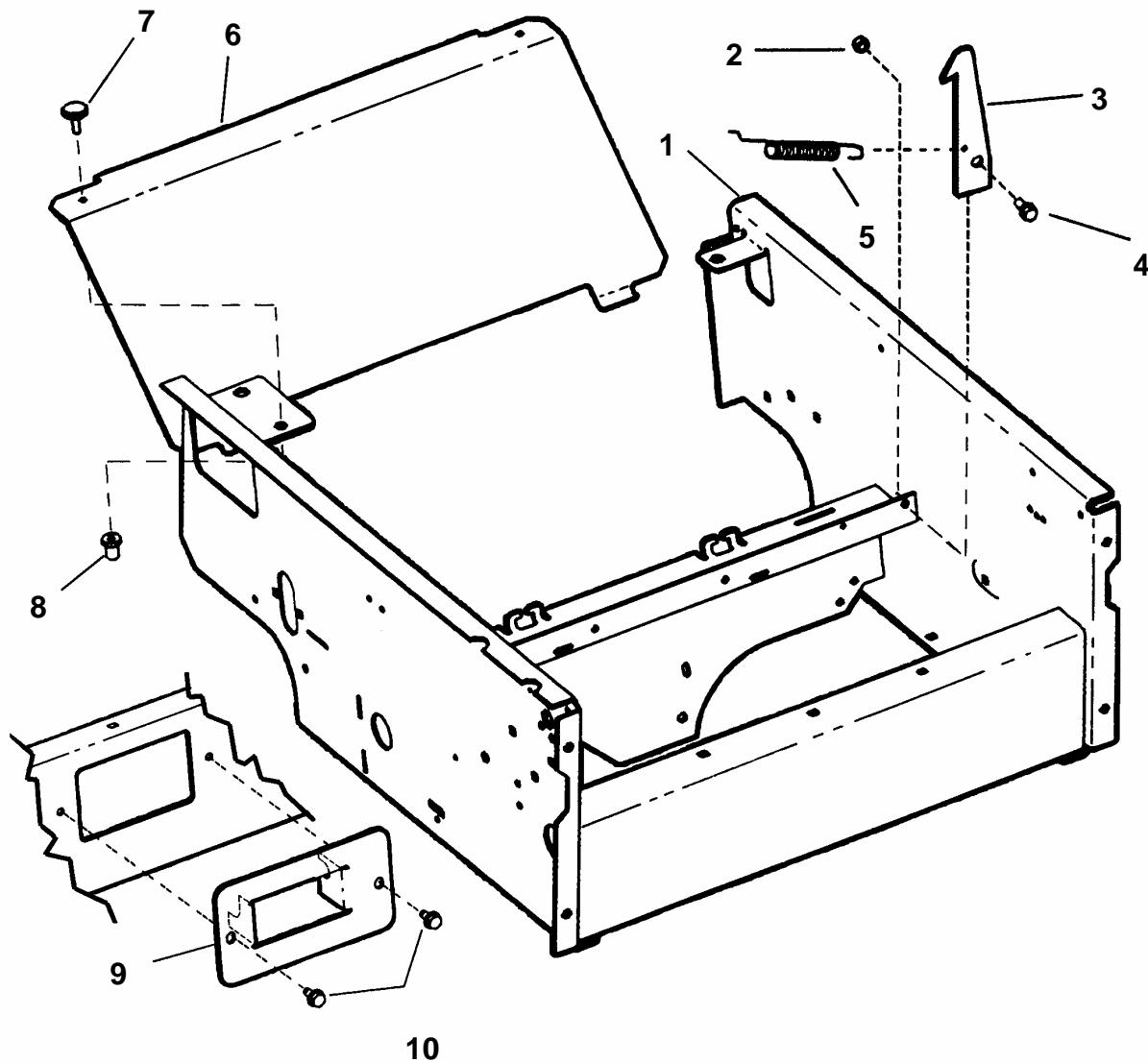
ITEM	PART NO.	DESCRIPTION
1	5-4103	RESERVOIR, L. H. Hydro (includes cap, item 2)
2	3-5512	CAP, Reservoir
3	1-6130	CLAMP, for 13/16" Hose (8)
4	3-5514	HOSE, Rubber 5/8" I. D. x 13-1/2" long
5	4-4788	HOSE, Rubber 5/8" I. D. x 20" long
6	4-4790	BRACKET, Tank L. H.
7	9-1508	BOLT, 5/16-18 x 3/4" Short Neck Carriage, Grade 5
8	1-1791	RETAINER, 5/16" Bolt
9	9-1298	NUT, 5/16-18 Hex Nyloc
10	1-2080	CABLE TIE, 7" long

HYDRO RESERVOIR ASSEMBLY (right hand)



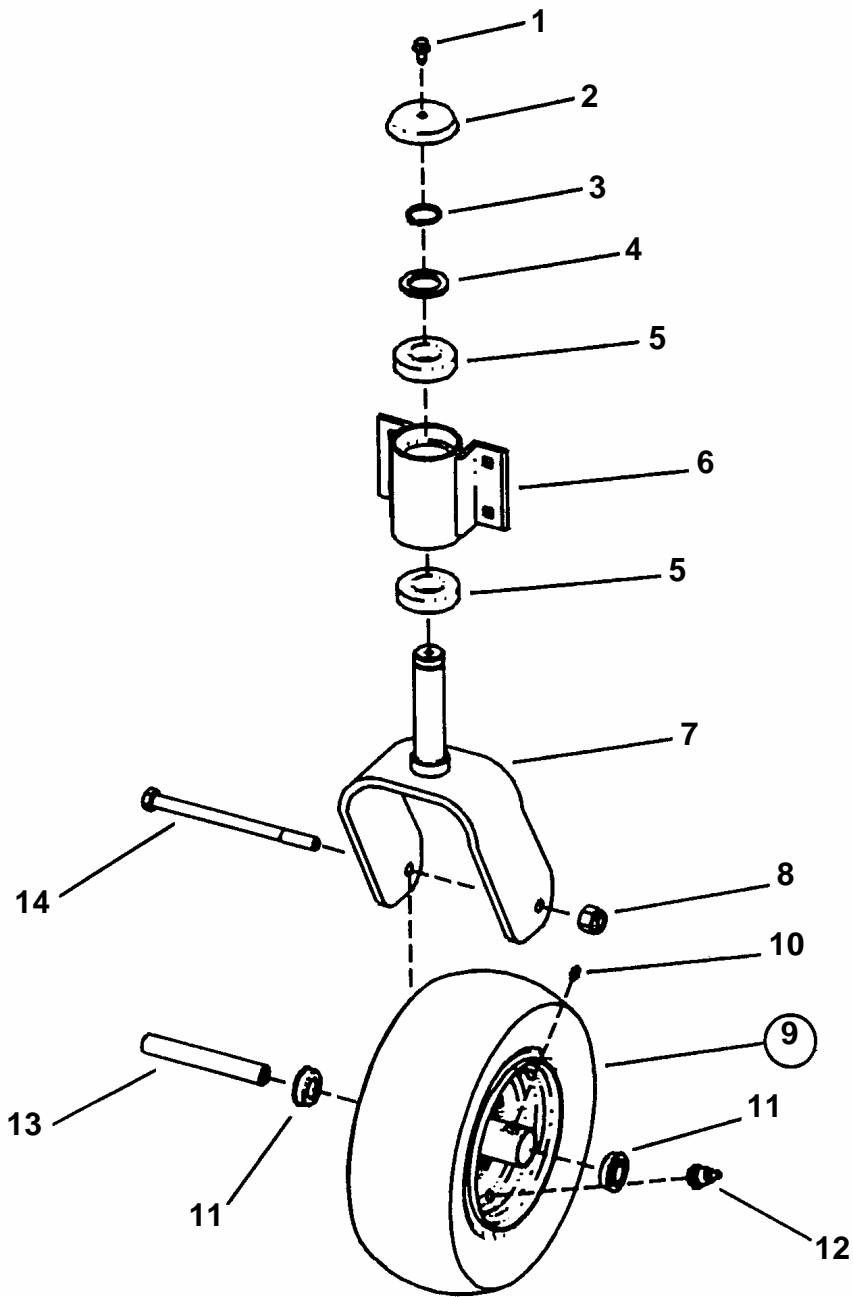
ITEM	PART NO.	DESCRIPTION
11	5-4521	RESERVOIR, (R.H.) Hydro (Includes cap, item 2)
12	4-4789	HOSE, Rubber 5/8" I.D. 32" Long
13	4-4787	HOSE, Rubber 5/8" I.D. 12" Long
14	4-4791	BRACKET, Tank, (Right Hand)
15	9-1523	SCREW, 5/16-18 x 5/8" Hex Washer Self-Tap
16	7-7345	PAD, Gas Tank (2)

UPPER CHASSIS AND SEAT LATCH ASSEMBLY



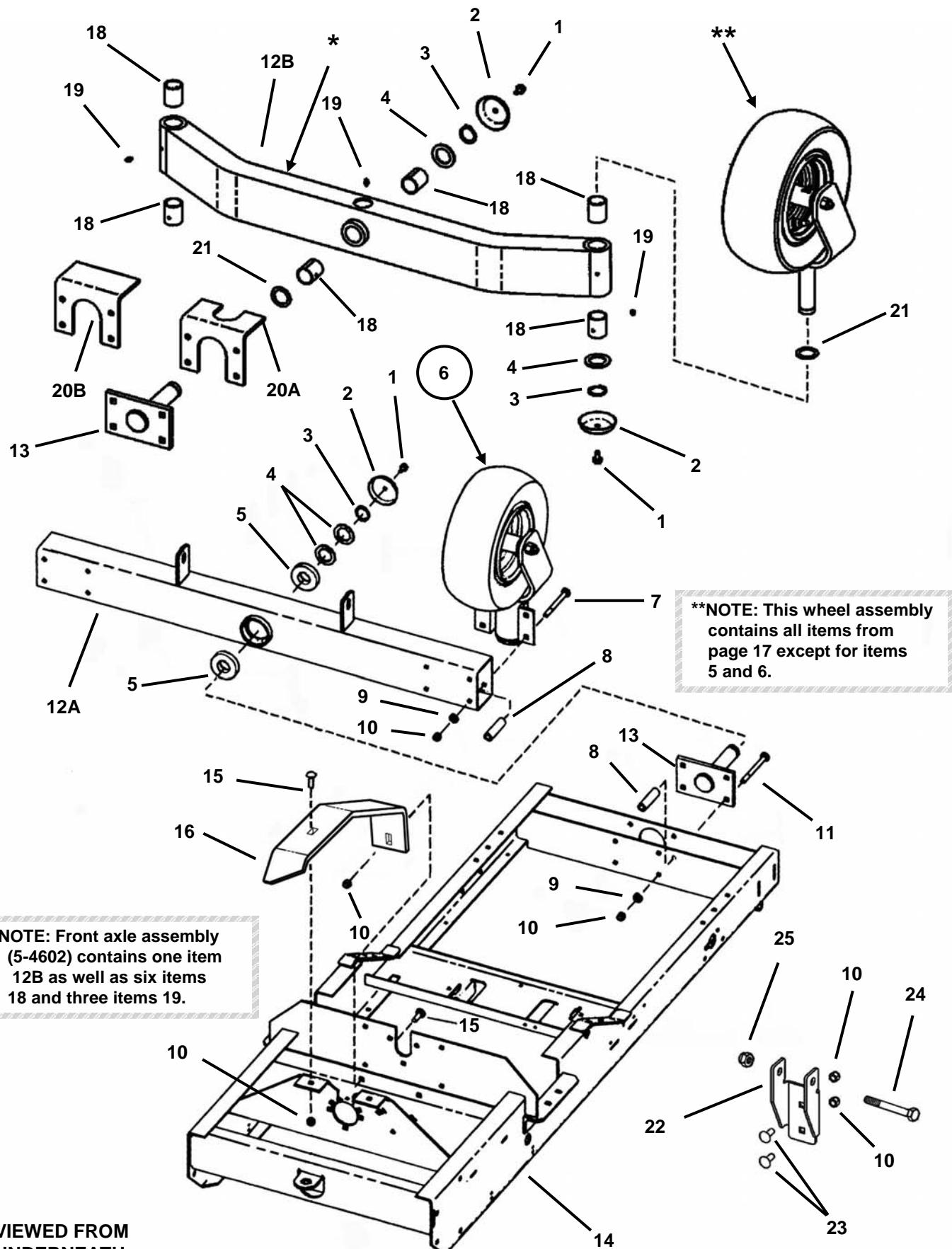
ITEM	PART NO.	DESCRIPTION
1	4-2946	UPPER CHASSIS (Models MZM2200K, ZM2501KH, ZM2502KH)
--	7-1940	UPPER CHASSIS (Models ZMT2500KH & ZMT2501KH) (not shown)
2	9-1298	NUT, 5/16-18 Hex Nyloc
3	3-5993	LATCH, Seat Support
--	7-2106	LATCH, Seat Support (MZM2300K, ZMT2500KH, ZM2501KH ZM2502KH)
4	9-1800	BOLT, 5/16-18 Shoulder, Hex Head, Nylon Patch
5	2-6292	SPRING
6	4-4769	SCREEN, Drivetrain
7	2-3341	SCREW, 1/4-20 x 3/4" Thumb (2)
8	9-1909	WELL-NUT, 1/4-20 x 53/64" (2)
9	7-2111	PLATE, Trim (Model ZMT2500KH Only)
10	9-0361	SCREW, 5/16-18 x 5/8" Self Tapping (2)

CASTER WHEEL ASSEMBLY



ITEM	PART NO.	DESCRIPTION
1	9-0361	SCREW, 5/16-18 x 5/8" Hex Flange Self Tap
2	3-6578	CAP, Caster Shaft
3	1-0965	RING, 1-3/16" External Retaining
4	9-1795	WASHER, 1-1/4" Flat
5	3-5602	BEARING, 30mm x 62mm (2)
6	4-2590	WELDMENT, Caster Support
--	5-8760	WELDMENT, Caster Support (5 degree) (used on model ZMT2500KH only)
7	4-2591	WELDMENT, Caster Yoke
8	9-1325	NUT, 1/2-13 Hex Nyloc
9	5-4087	ASSEMBLY, Tire & Rim (includes items 10 thru 12)
10	1-2700	FITTING, Lube
11	2-8722	BEARING (2)
12	1-2234	VALVE, Air
13	3-5476	SLEEVE, Axle
14	9-1773	SCREW, 1/2-13 x 7-1/4", Grade 5

LOWER CHASSIS/CASTER WHEEL ASSEMBLY

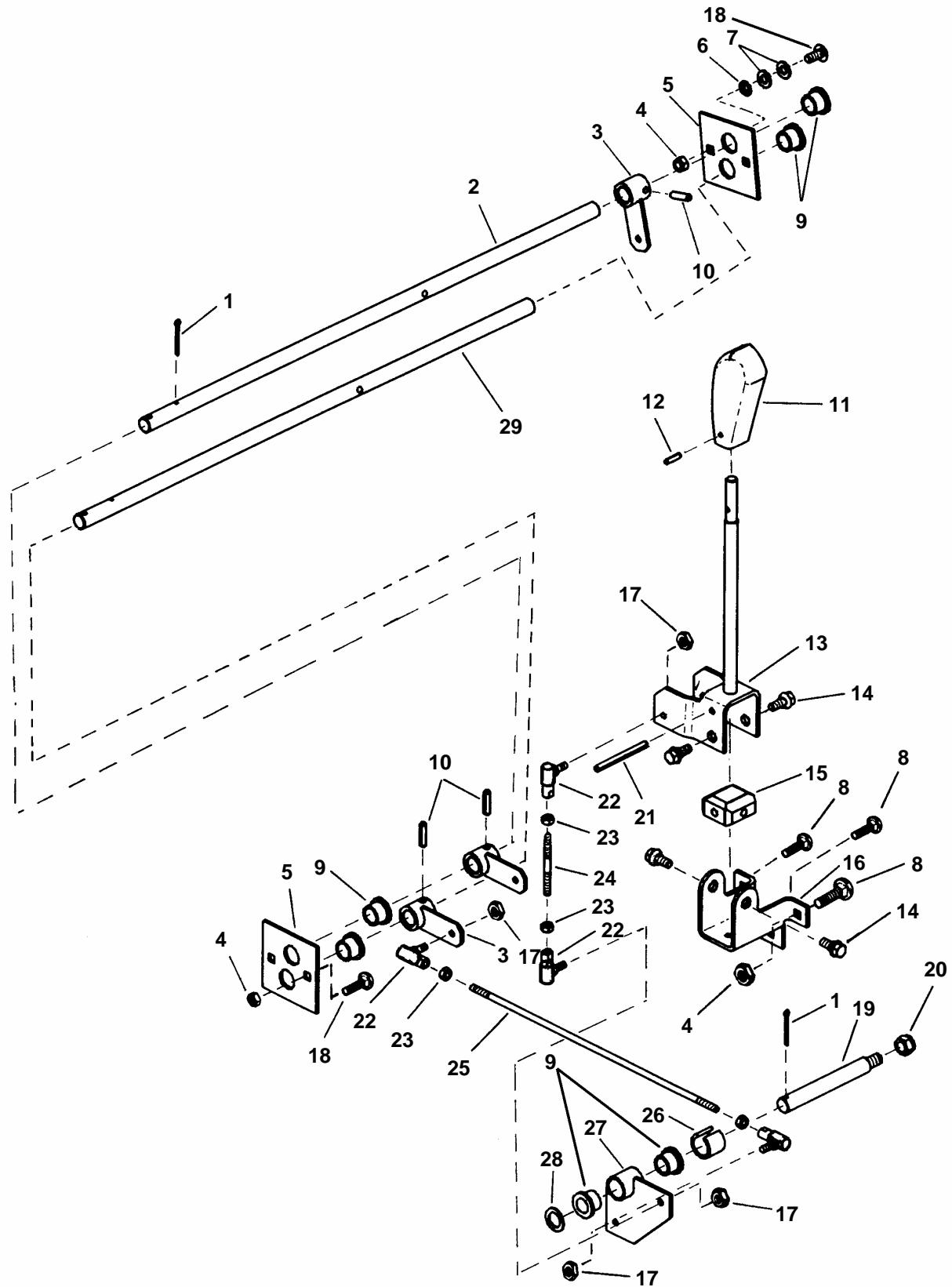


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LOWER CHASSIS/CASTER WHEEL ASSEMBLY

ITEM	PART NO.	DESCRIPTION
1	9-0361	SCREW, 5/16-18 x 5/8" Hex Flange Self Tap
2	3-6578	CAP, Caster Shaft
3	1-0965	RING, 1-3/16" External Retaining
4	9-1795	WASHER, 1-1/4" I.D. x 1-7/8" O.D. Flat (2)
5	3-5602	BEARING, 30 mm x 62 mm (2)
6	5-4507	CASTER WHEEL (2) (see page 17)
7	9-1888	BOLT, 3/8-16 x 4", Carriage Short Neck Grade 5 (8)
8	4-2928	TUBE, 3/4" x 5/32" x 2-45/64" (12)
9	9-1514	WASHER, 13/32" Flat (12)
10	9-1299	NUT, 3/8-16 Hex (20)
11	9-1901	BOLT, 3/8-16 x 4-1/4" Carriage Short Neck Grade 5 (4)
12A	4-2929	WELDMENT, Front Axle (straight)
12B	5-3382	WELDMENT, Front Axle (Wide Stance)
13	4-5212	WELDMENT, Front Axle Pivot
14	4-2792	FRAME, Lower (Models MZ2200K,ZM2500K) (Shown)
--	4-7029	FRAME, Lower (Model MZM2200KH & MZM2300K)
--	5-8330	FRAME, Lower (Models ZMT2500KH, ZM2501KH, ZM2502KH)
15	9-1790	BOLT, 3/8-16 x 1-1/4" Carriage Short Neck Gr. 5 (4)
16	4-6968	GUARD, Skid
17	7-2827	GUARD, Skid (Left Hand) (Not Shown)
18	7-4915	BUSHING, DX (6)
19	1-3864	GREASE FITTING, 3/16" Serrated (3)
20A	7-4956	BRACKET, Axle Stop (Wide Stance Caster)
20B	7-2041	BRACKET, Axle Stop (Wide Stance Caster)
21	9-2046	WASHER, 1-3/16" Flat (3)
22	7-4154	BRACKET, Frame Stabilizer Bar (2)
23	9-1640	BOLT, 3/8-16 x 1" Square Neck Carriage (4)
24	2-9355	BOLT, 1/2-13 x 3-3/4" Hex Head Cap, Grade 5 (2)
25	9-1922	NUT, 1/2-13 Hex Nyloc (2)

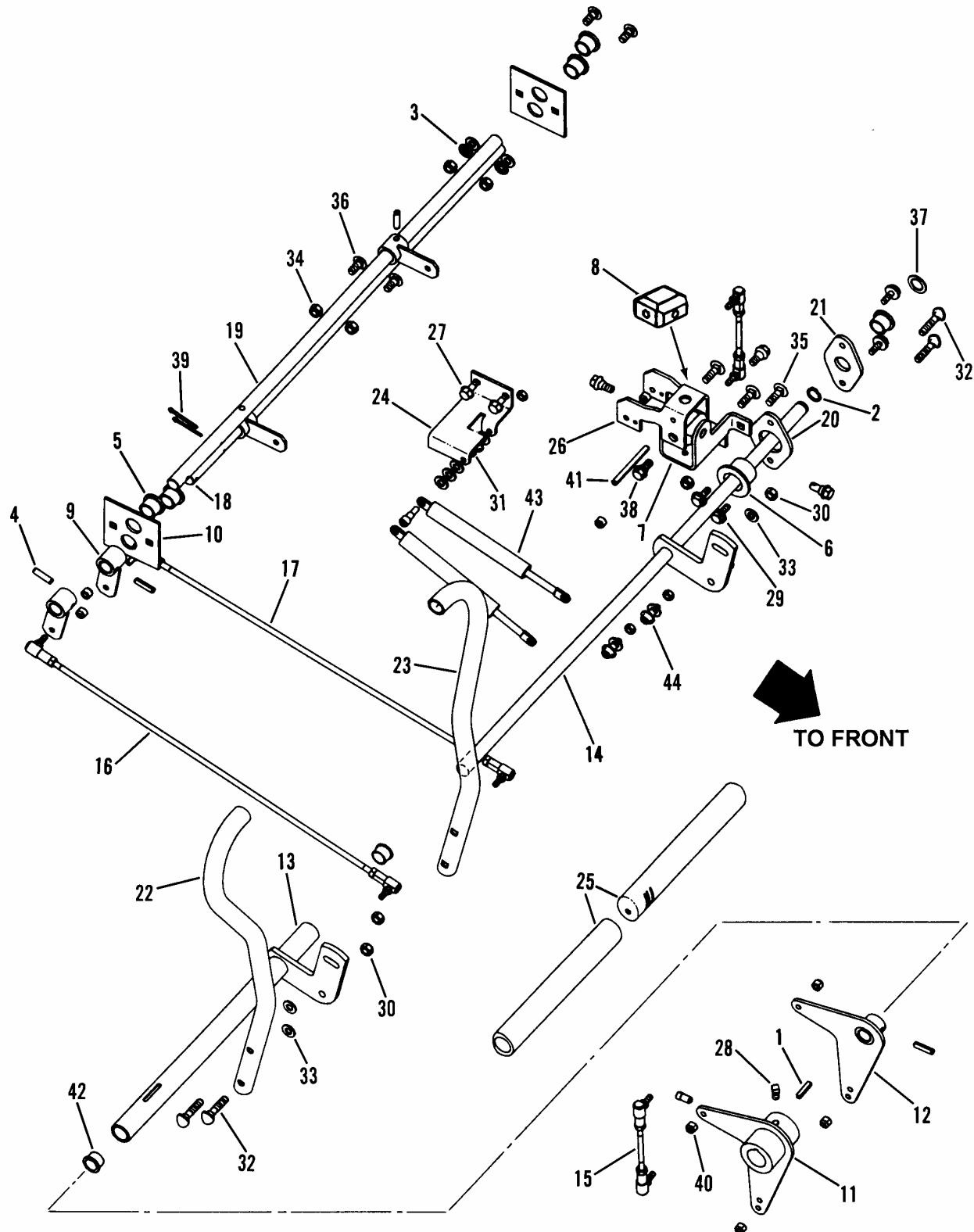
JOYSTICK CONTROL ASSEMBLY
(All Models except ZMT2500KH)



JOYSTICK CONTROL ASSEMBLY (All Models except ZMT2500KH)

ITEM	PART NO.	DESCRIPTION
1	9-1809	COTTER PIN, 1/8" x 1-1/4" (3)
2	4-3881	SHAFT, Hydro Left Hand
3	4-2638	ARM/HUB Weldment (4)
4	9-1298	NUT, 5/16-18 Hex Nyloc (7)
5	7-3060	PLATE, Hydro Shaft (2)
6	1-1791	RETAINER, 5/16" Bolt (2)
7	9-1296	WASHER, 11/32" Flat (4)
8	9-1508	BOLT, 5/16-18 x 3/4" Carriage, Grade 5 (3)
9	7-2934	BUSHING (notched) (8)
10	1-3072	ROLL PIN, 1/4 x 1" (4)
11	2-3656	HANDLE, Plastic
12	9-0844	ROLL PIN 3/16 x 3/4"
13	4-2599	HANDLE, Joystick Control (Weldment)
14	9-1800	BOLT, 5/16-18 Shoulder (4)
15	3-5533	BLOCK, Joy Stick Control Pivot
16	3-5532	BRACKET, Joystick Mounting
17	9-1812	NUT, 1/4-28 Hex Nyloc (8)
18	9-1303	BOLT, 3/8-16 x 1" Carriage Short Neck (4)
19	4-3871	SHAFT, Joystick Control Pivot
20	9-1917	NUT, 7/16-14 Hex
21	9-1816	ROLL PIN, 1/4 x 2-3/4"
22	1-5753	BALL-JOINT (8)
23	9-1605	NUT, 1/4-28 Hex, Grade 5 or B (8)
24	3-5908	ROD, Threaded 1/4-28 x 2-23/32 (2)
25	4-3880	ROD, Threaded 1/4-28 x 13-21/32 (2)
26	2-2112	SPACER (2)
27	4-3874	PIVOT ARM, Joystick Control Weldment (2)
28	9-1628	WASHER, 13/32" Flat
29	4-3882	SHAFT, Hydro (Right Hand)

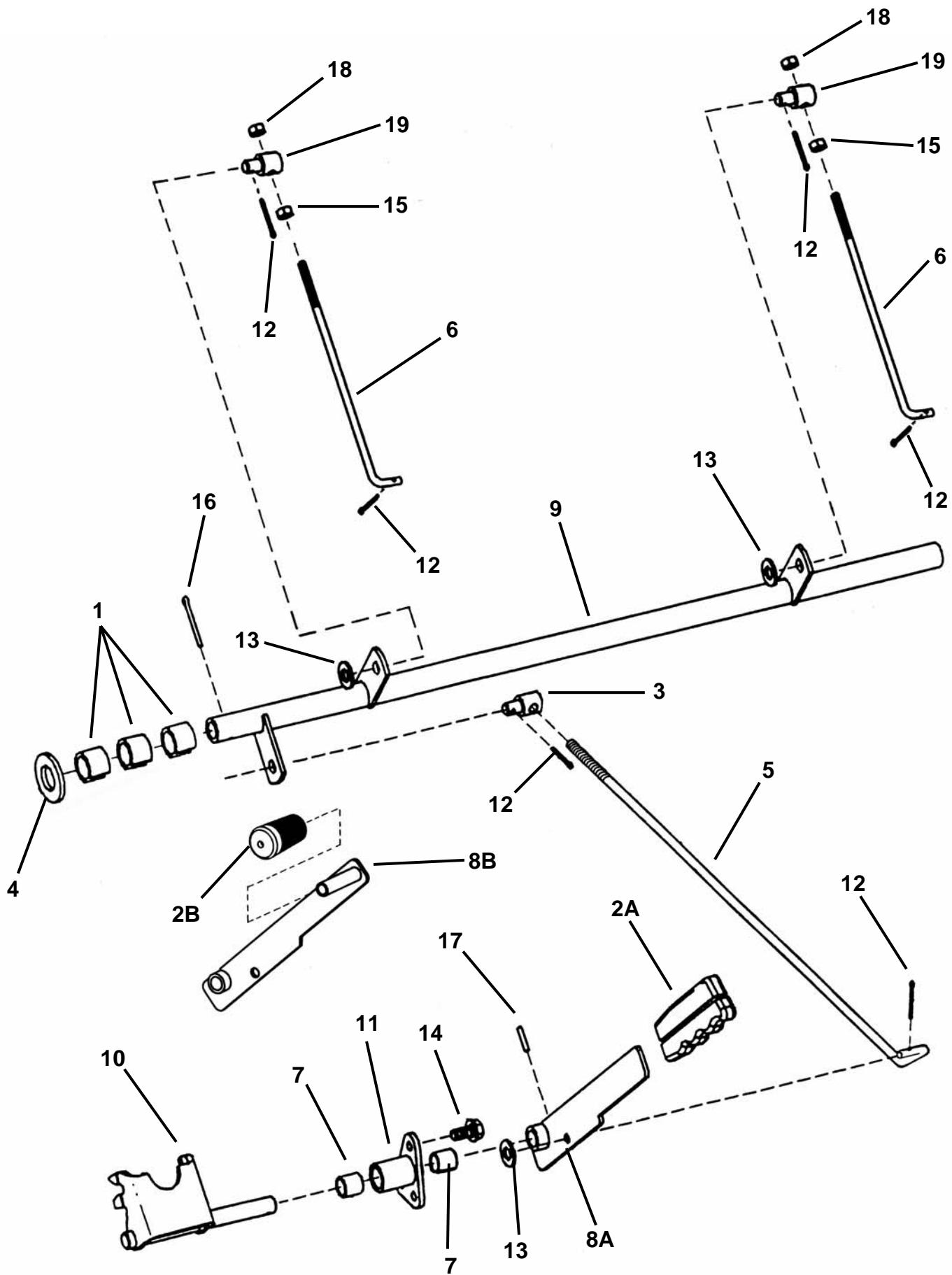
TWIN STICK CONTROL ASSEMBLY (Model ZMT2500KH)



TWIN STICK CONTROL ASSEMBLY (Model ZMT2500KH)

ITEM	PART NO.	DESCRIPTION
1	1-0061	KEY, 3/16" Square x 1"
2	1-0739	RING, 5/8" External Retaining
3	1-1791	RETAINER, 5/16" Bolt (2)
4	1-3072	ROLL PIN, 1/4" x 1" (5)
5	1-3874	BUSHING, 5/8 I. D. x 5/8" (5)
6	2-3556	BUSHING, Caster
7	3-5532	BRACKET, Joystick Mounting
8	3-5533	BLOCK, Pivot
9	4-2638	WELDMENT, Arm/Hub (4)
10	7-3060	PLATE, Bushing, Hydro Shaft (2)
11	5-8108	WELDMENT, R. H. Control Bellcrank
12	5-8109	WELDMENT, L. H. Control Bellcrank
13	5-8110	WELDMENT, R. H. Control
14	5-8111	WELDMENT, L. H. Control
15	5-8115	ASSEMBLY, Ball Joint Link 5.12" (2) Includes 7-1970 (Rod), 1-5753 Ball Joint (2) & 9-1605 Hex Nut (2)
16	5-8116	ASSEMBLY, Ball Joint Link 20.4" Includes 7-1971 (Rod), 1-5753 Ball Joint (2) & 9-1605 Hex Nut (2)
17	5-8117	ASSEMBLY, Ball Joint Link 20.56" Includes 7-1971 (Rod), 1-5753 Ball Joint (2) & 9-1605 Hex Nut (2)
18	7-1944	HYDRO SHAFT, L.H.
19	7-1945	HYDRO SHAFT, R.H.
20	7-1959	PLATE, R.H. Bearing
21	7-3061	PLATE, L.H. Bearing (Twin-Stick Z Mower)
22	7-1964	ARM, R.H. Twin Stick Control
23	7-2022	ARM, L.H. Twin Stick Control
24	7-2047	BRACKET, Dampener Mounting
25	7-2212	GRIP, Twin Stick (2)
26	7-2442	BRACKET, Joystick Control
27	9-0361	SCREW, 5/16-18 x 5/8" Hex Washer Self-Tap (2)
28	9-0848	SET SCREW, 5/16-18 x 1/2" Square Head Cup Point (2)
29	9-1016	SCREW, 1/4-20 x 5/8" Hex Head Self-Tap (4)
30	9-1067	NUT, 5/16-18 Hex Center Lock, Grade 8 (4)
31	9-1099	NUT, 1/4-20 Hex Center Lock, Grade 5 or B (4)
32	9-1190	BOLT, 5/16-18 x 1-1/2" Curved Head Square Neck (4)
33	9-1296	WASHER, .34 I.D. Flat (20)
34	9-1298	NUT, 5/16-18 Hex Nyloc (7)
35	9-1303	BOLT, 5/16-18 x 1" Round Head Short Neck Carriage, Grade 5 (3)
36	9-1508	BOLT, 5/16-18 x 3/4" Round Hd. Short Neck Carriage, Grade 5 (3)
37	9-1628	WASHER, 5/8" I. D. Flat
38	9-1800	BOLT, 5/16-18 Shoulder (4)
39	9-1809	COTTER PIN, 1/8 x 1-1/4" (2)
40	9-1812	NUT, 1/4-28 Hex Nyloc (9)
41	9-1816	ROLL PIN, 1/4 x 2-3/4"
42	7-2934	BUSHING, .632 I. D. x .753 O.D. Teflon Impregnated (2)
43	9-2009	CYLINDER, Dampener
44	9-2010	BOLT, 1/4-20 Socket Head Shoulder (4)

PARKING BRAKE ASSEMBLY

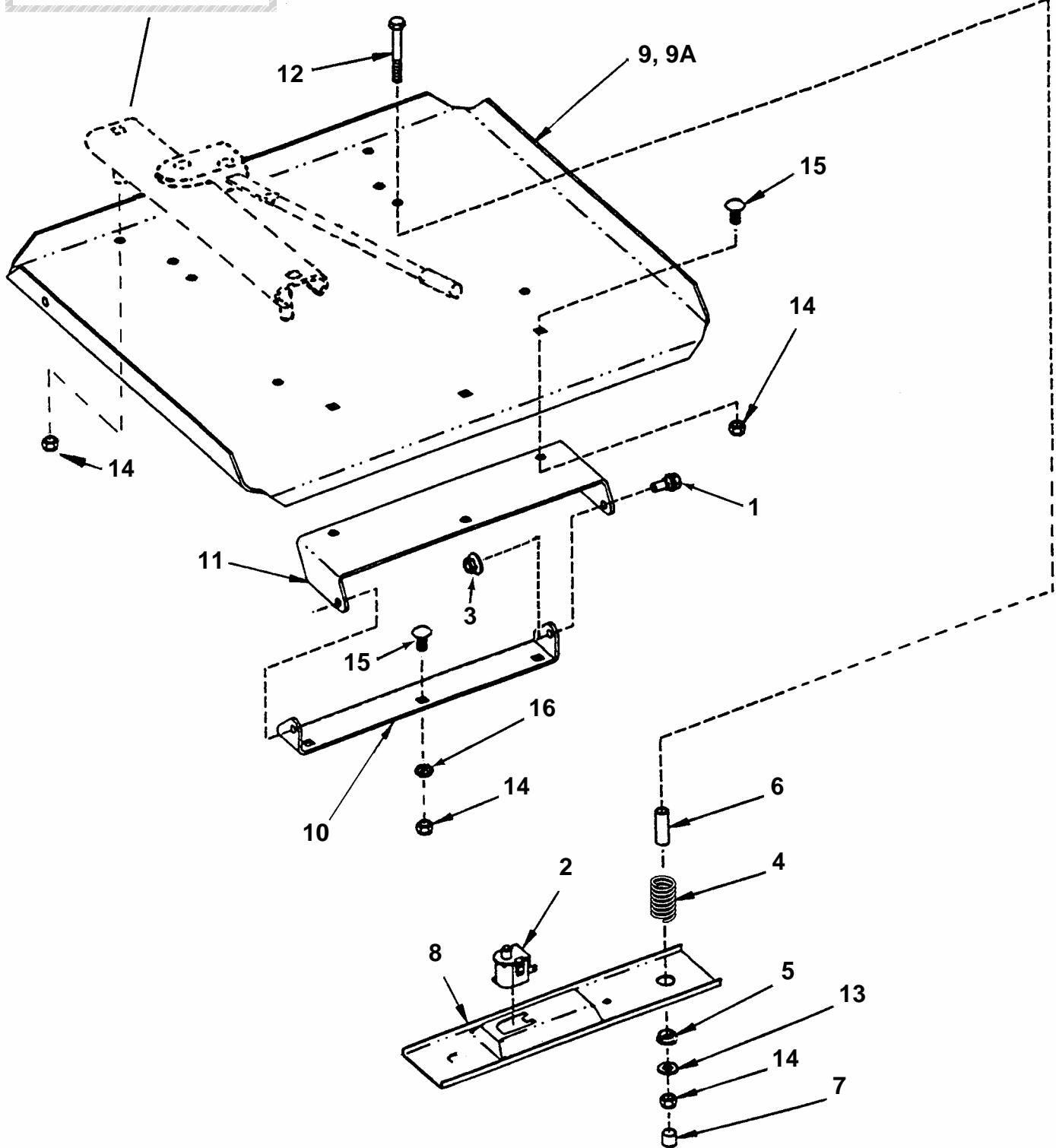


PARKING BRAKE ASSEMBLY

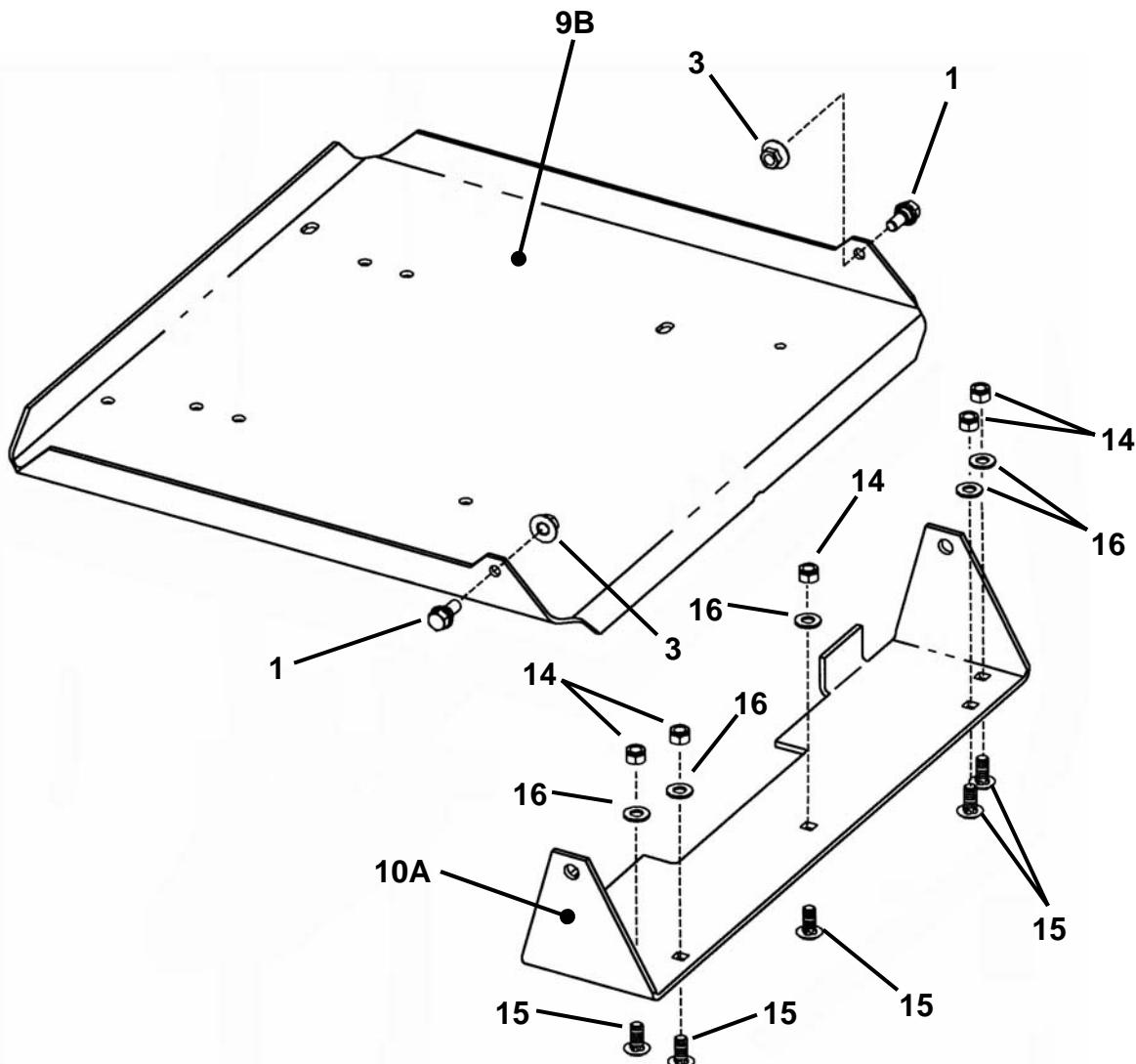
ITEM	PART NO.	DESCRIPTION
1	1-2068	RING, Rear Lift Arm (3)
2A	2-6420	GRIP, Flat Bar (Models ZM2200K & ZM2500K)
2B	7-2222	GRIP, Park Brake Lever (Models ZMT2500KH, MZM2200KH, MZM2300K, ZM2501KH, ZM2502KH)
3	4-6451	SWIVEL, Adjustable
4	1-0935	WASHER, 3/4" I.D. x 1-1/8" O.D. x 1/16 Thick, Flat
5	4-6449	ROD, Brake Parking
6	4-3876	ROD, Hydrostatic Brake (2)
7	3-6399	SLEEVE Bearing, 1/2 I.D. x 5/8 O.D. (2)
8A	4-6469	WELDMENT, Brake Arm (Models ZM2200K & ZM2500K)
8B	5-8082	WELDMENT, Brake Arm (Models ZMT2500KH, MZM2200KH, MZM2300KH, ZM2501KH, ZM2502KH)
9	4-3875	SHAFT, Brake (Weldment)
10	4-2647	BRACKET, Joystick Lockout (Weldment)
11	4-2648	PLATE, Support (Weldment)
12	9-1597	COTTER PIN, 3/32 x 3/4" (6)
13	9-1514	WASHER, 13/32 I.D. x 13/16 O.D. x 5/64 Flat (3)
14	9-1523	SCREW, 5/16-18 x 5/8" Hex Self-Tapping (3)
15	9-1605	NUT, 1/4-28 Hex, Grade 5 or B (2)
16	9-1809	COTTER PIN, 1/8 x 1-1/4
17	1-4001	PIN, 1/8 x 3/4" Roll
18	9-1812	NUT, 1/4-28 Hex Nyloc (2)
19	9-1832	SWIVEL, 1/4" Smooth (2)

SEAT SUPPORT ASSEMBLY

ADJUSTER WITH LOCK
See Pages 44 and 45

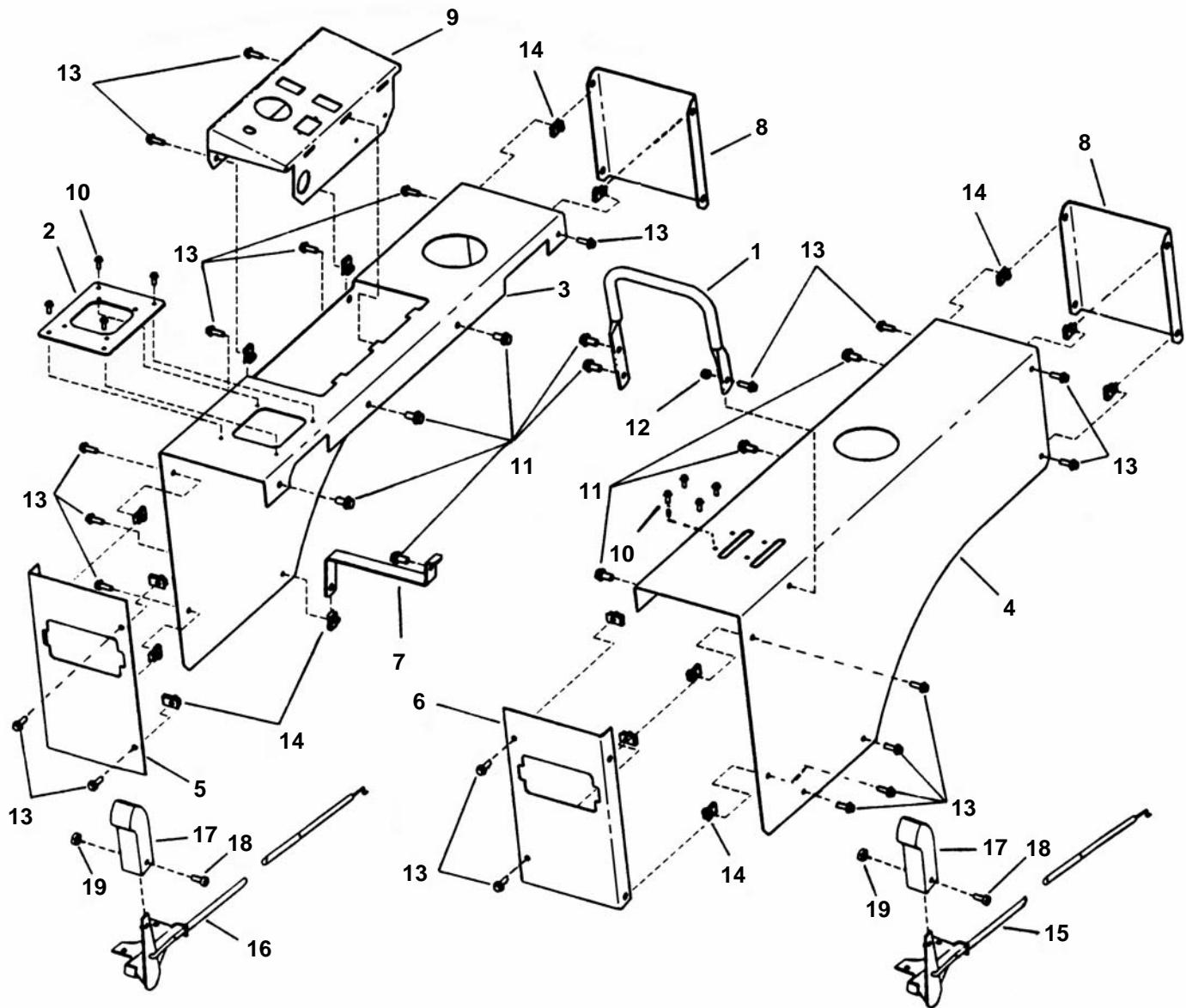


SEAT SUPPORT ASSEMBLY



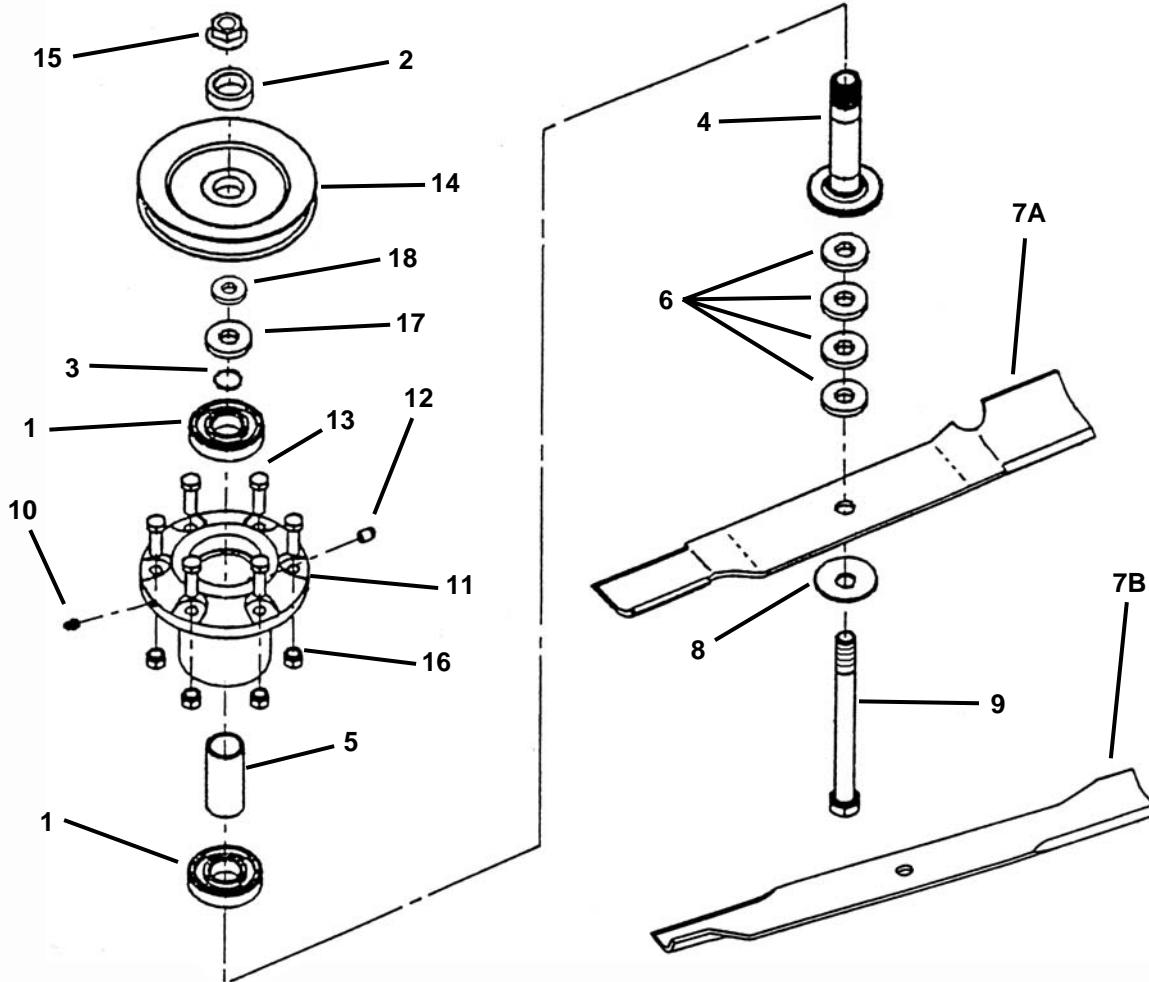
ITEM	PART NO.	DESCRIPTION
1	1-5761	BOLT, 5/16-18 x 3/4" Shoulder (2)
2	2-3354	SWITCH, Seat (Normally Closed)
3	9-0951	NUT, 5/16-18 Hex Flange Lock (2)
4	3-6492	SPRING (2)
--	9-2007	SPRING (Models MZM2200KH, MZM2300K & ZMT2500KH Only)
5	2-2793	BUSHING, Molded Seat, 1/2 I.D. x 5/8" O.D. (2)
6	2-2794	SPACER, 5/16 I.D. x 1-3/8" Long (2)
7	2-3606	CAP, Vinyl (2)
8	3-3362	HOLDER, Seat Switch
9	3-5827	PLATE, Seat Support
9A	4-6960	PLATE, Seat Support (Models MZM2200K & MZM2300K Only)
9B	7-2015	PLATE, Seat Support (Model ZMT2500KH Only)
10	7-2210	HINGE, Seat Support
10A	7-2034	BRACKET, Seat Hinge (Model ZMT2500KH Only)
11	3-5839	BRACKET, Upper Seat Support Hinge (Used on all but ZMT2500KH)
12	9-1046	SCREW, 5/16-18 x 2-1/2" Hex Head Cap, Grade 5 (2)
13	9-1296	WASHER, 5/16 x 11/16 O.D. Flat (10)
14	9-1298	NUT, 5/16-18 Hex Nyloc (12)
15	9-1508	BOLT, 5/16-18 x 3/4 Carriage Grade 5 (6)
16	1-1791	RETAINER, 5/16" Bolt (5)

FENDER/CONTROL CABLE ASSEMBLY



ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	3-5548	HANDLE, 5/8" Tubing	9	4-4820	BRACKET, Instrument Panel (shown)
2	3-5940	PLATE, Joystick Control (shown)	--	4-6863	BRACKET, Instrument Panel (MZM Models Only)
--	7-2043	COVER, Joystick Hole (Model ZMT2500KH Only)	10	9-0913	SCREW, #10-24 x 1/2" Hex Washer Self-Tap Torx (8)
3	4-2984	FENDER, Right Hand	11	9-1523	SCREW, 5/16-18 x 5/8" Hex Washer Self-Tapping (9)
--	4-6407	FENDER, Right Hand (MZM Models Only)	12	9-1603	NUT, 1/4-20 Hex Nyloc
4	4-2985	FENDER, Left Hand	13	9-1906	SCREW, 1/4-20 x 3/4" Hex Cap Grade 5 (21)
--	4-7006	FENDER, Left Hand (MZM Models Only)	14	2-3295	U-NUT, 1/4-20 Lock, (16)
5	4-2986	BRACKET, R. H. Headlight	15	3-5837	CABLE, Choke, Kohler
--	4-6420	BRACKET, Right Hand (MZM Models Only)	16	3-5838	CABLE, Throttle, Kohler
6	4-2987	BRACKET, L. H. Headlight	17	2-3655	LEVER, Throttle Control (2)
--	4-6421	BRACKET, Left Hand (MZM Models Only)	18	9-1017	SCREW, #8-32 x 3/8" Curved Machine (2)
7	4-3898	BRACKET, Fender Brace	19	9-1018	NUT, #8-32 Hex (2)
8	4-4700	BRACKET, Rear Fender (2)			

CUTTER HOUSING ASSEMBLY

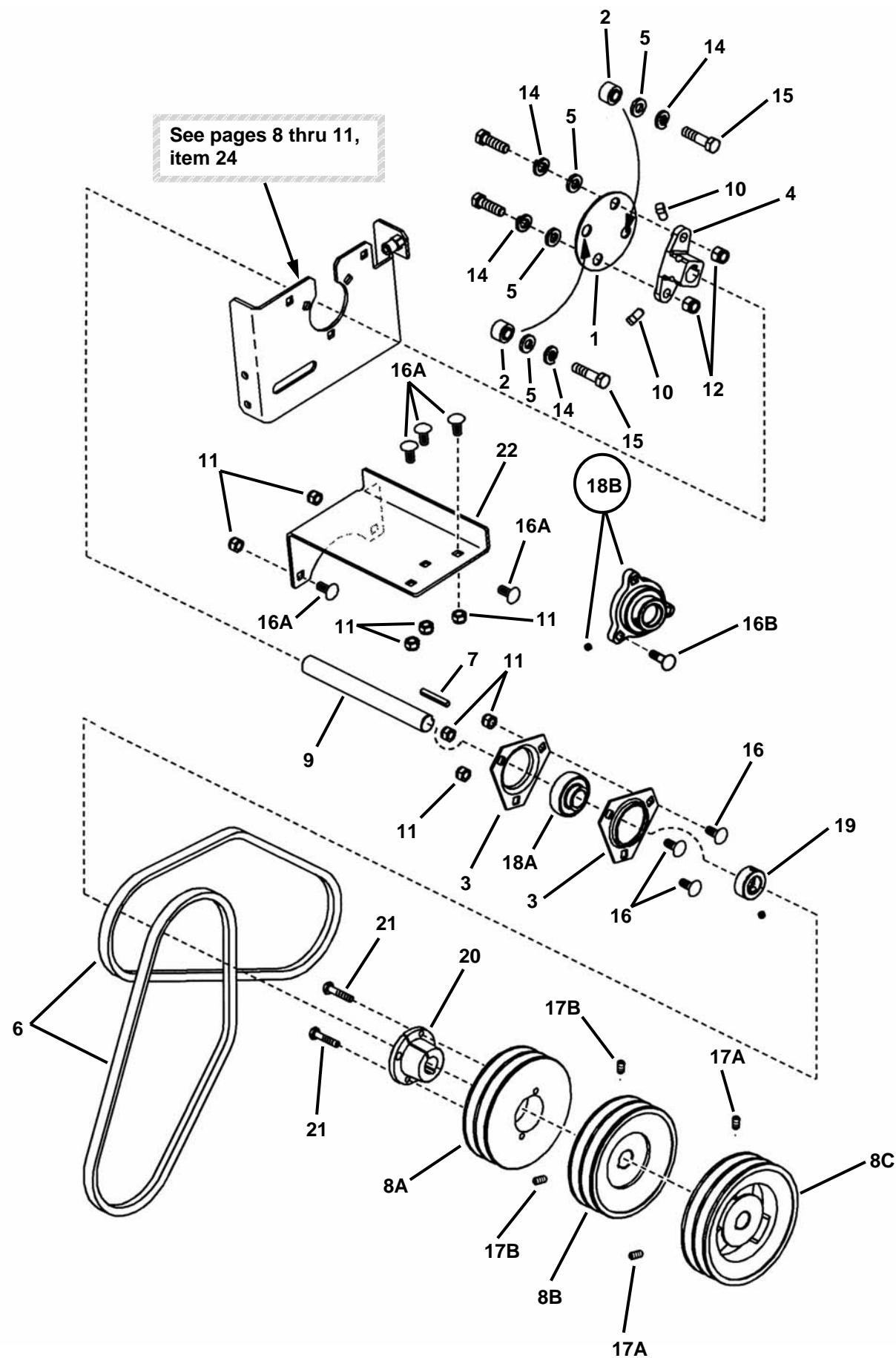


ITEM	PART NO.	DESCRIPTION
1	2-9422	BEARING, Sealed (2)
2	2-9270	WASHER, Spindle
3	2-9274	SNAP-RING, Spindle Shaft
4	5-9311	SHAFT, Spindle
5	2-9254	SPACER, Bearing
6	2-9271	SPACER, Blade (4)
7A	2-9246	BLADE, 18" (ZM5200M Mower)
7B	7-3395	BLADE, Low Lift 18" (ZM5201M, ZM5202M Mower)
7C	1-7037	BLADE, High Lift 18" (ZM5202M Mower)
7D	1-7081	BLADE, 21" (ZM6100M & ZM6102M Mowers)
7E	7-3396	BLADE, Low Lift 21" (ZM6101M, ZM6102M Mower)
8	1-6440	WASHER, Beveled
9	6-3234	BOLT, 5/8-11 x 7-1/2" Hex Head Cap, Grade 5
10	2-9275	FITTING, Lube
11	2-9252	HOUSING, Cutter
12	2-9384	VENT, Spindle
13	2-9302	BOLT, 3/8-16 x 1-1/4" Rib Necked (6)
14	2-9249	PULLEY, 5-3/4" O.D.
15	6-3237	NUT, 5/8-11 Hex Flange Grade 5
16	9-1299	NUT, 3/8-16 Hex Nyloc (6)
17	6-3238*	SEAL, Nylos
18	1-3370*	WASHER

NOTE: 5-4017 (Spindle Housing Sub-Asy.) is made of items 11 & 12 (one each) and item 13 (six each).

*NOTE: For Bearing Pre-Seal Kit (6-3240) installation, discard item 3 and replace with items 17 & 18 as shown.

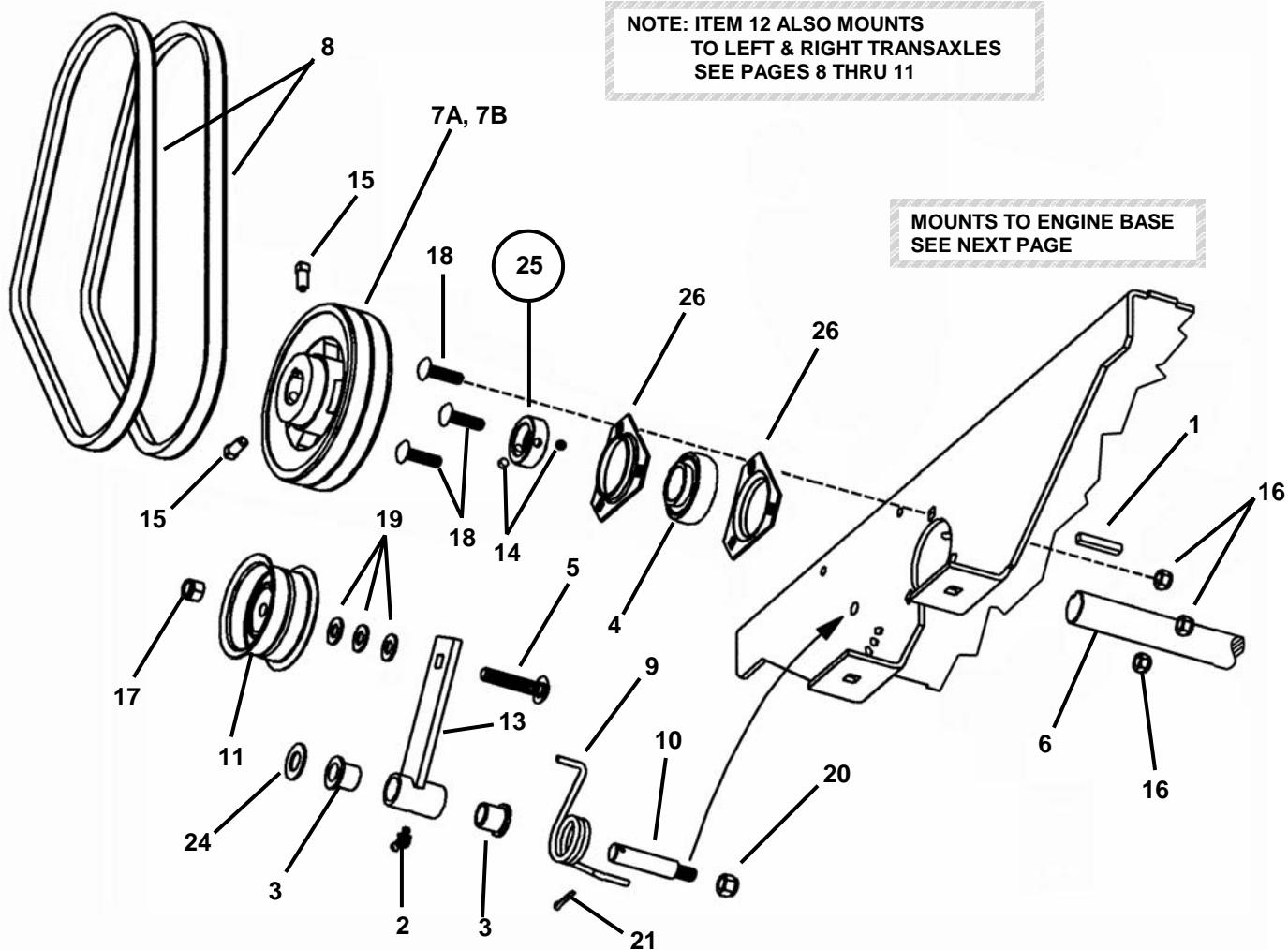
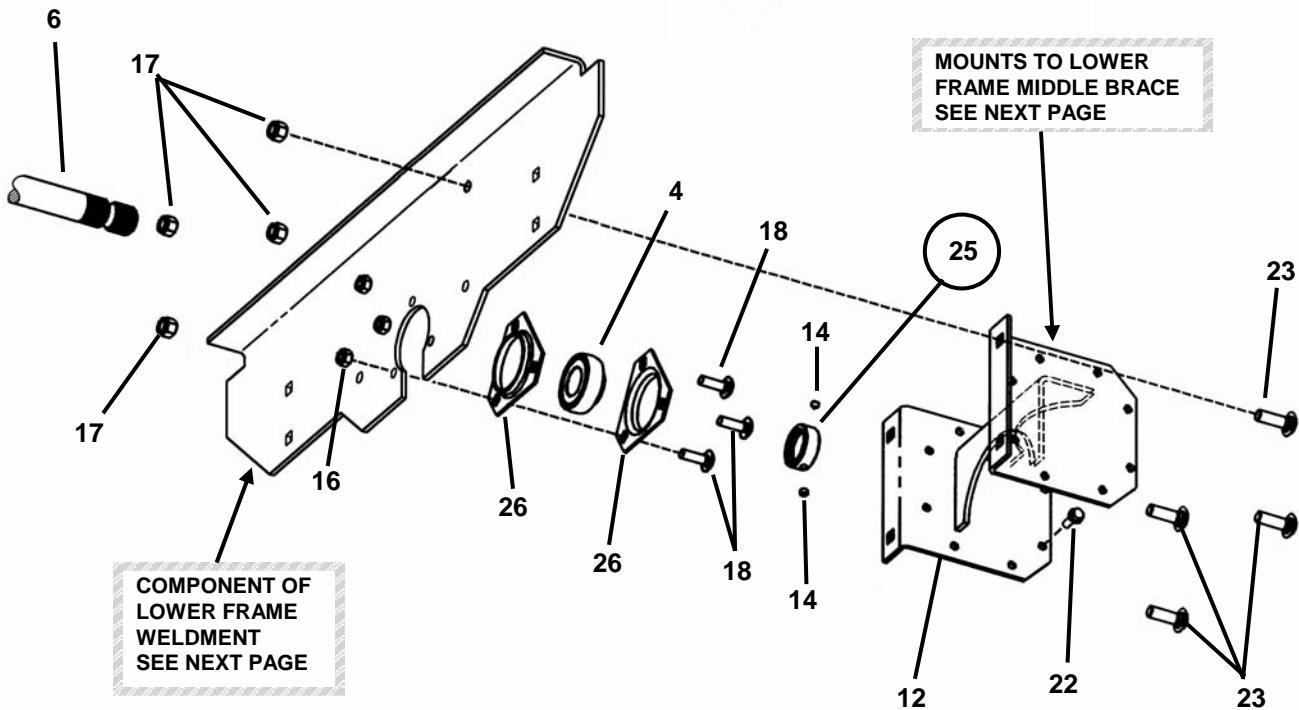
UPPER DRIVE SHAFT ASSEMBLY



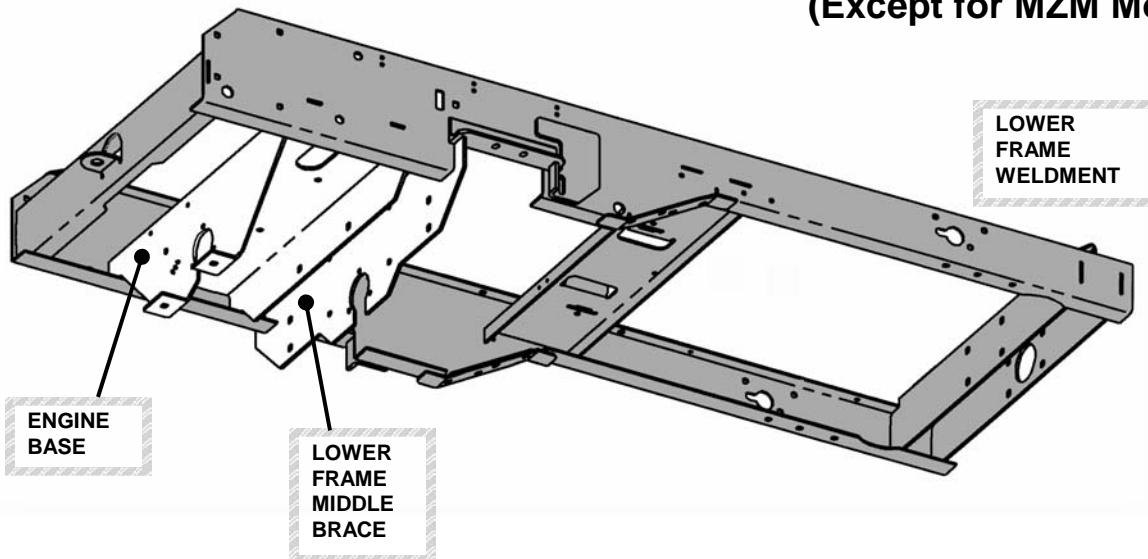
UPPER DRIVE SHAFT ASSEMBLY

ITEM	PART NO.	DESCRIPTION
1	1-4338	DISC, Flexible
2	1-4803	SPACER, Coupling (2)
3	4-7225	FLANGE, Bearing (2) (requires Item 18A, order separately) (Models MZM2200K & MZM2300K)
4	1-8626	HUB, Drive Shaft Adapter
5	3-2070	WASHER, 13/32 I.D. x 3/4 O.D., Flat (4)
6	4-5254	BELT, Traction Drive (AX Cogged, 34.35 Eff. Length) (2)
--	7-2357	BELT, Traction Drive (2) (Model ZMT2500KH Only)
7	9-1803	KEY, 3/16 x 1-1/2" Square
8A	7-4916	PULLEY, Dual V-Groove (4.95" O.D.) (requires items 20 & 21)
8B	3-5564	PULLEY, Dual V-Groove (4.95 O.D.) (includes 17B (2))
8C	7-2266	PULLEY, Dual V-Groove (5.45 O.D.) (includes 17A (2)) (used on Model ZMT2500KH Only)
9	4-2805	DRIVE SHAFT, 3/4" Upper
10	9-0848	SET SCREW, 5/16-18 x 1/2" Square Head (2)
11	9-1298	NUT, 5/16-18 Hex Nyloc (3)
12	9-1299	NUT, 3/8-16 Hex Nyloc (2)
13	9-1304	SCREW, 3/8-16 x 1" Hex Head Cap, Grade 5 (2)
--	9-1328	SCREW, 3/8-16 x 1-1/4" Hex Head Cap, Grade 5 (2)
14	9-1320	WASHER, 3/8" Split Lock (2)
15	9-1497	SCREW, 3/8-16 x 1-1/2" Hex Head Cap, Grade 5 (2)
16A	9-1508	BOLT, 5/16-18 x 3/4", Carriage, Grade 5 (3) (Models MZM2200K, MZM2300K & ZM2501KH)
16B	9-1928	BOLT, 5/16-18 x 1-1/4" Square Neck Carriage Gr. 5 (3)
17A	9-1802	SCREW, 5/16-18 x 5/8", Socket-Head (2)
17B	9-2018	SET SCREW, 5/16-18 x 3/4" Square Head (2)
18A	1-5971	BEARING (MZM Models Only, use with item 19)
18B	5-4655	ASSEMBLY, Flange/Bearing/Lock Collar (Includes 1-4625, 3/4" Lock Collar w/ Set Screw and 4-5246, Flange Bearing)
19	1-4625	LOCK COLLAR, 3/4" I.D. (includes 1/4-28 set screw)
20	7-4917	PULLEY HUB, Taper-Lock
21	9-1814	SCREW, 1/4-20 x 1-1/4" Hex Head Cap (2)
22	7-2318	SUPPORT, Bearing Mount

DECK DRIVESHAFT ASSEMBLY (Except for MZM Models)

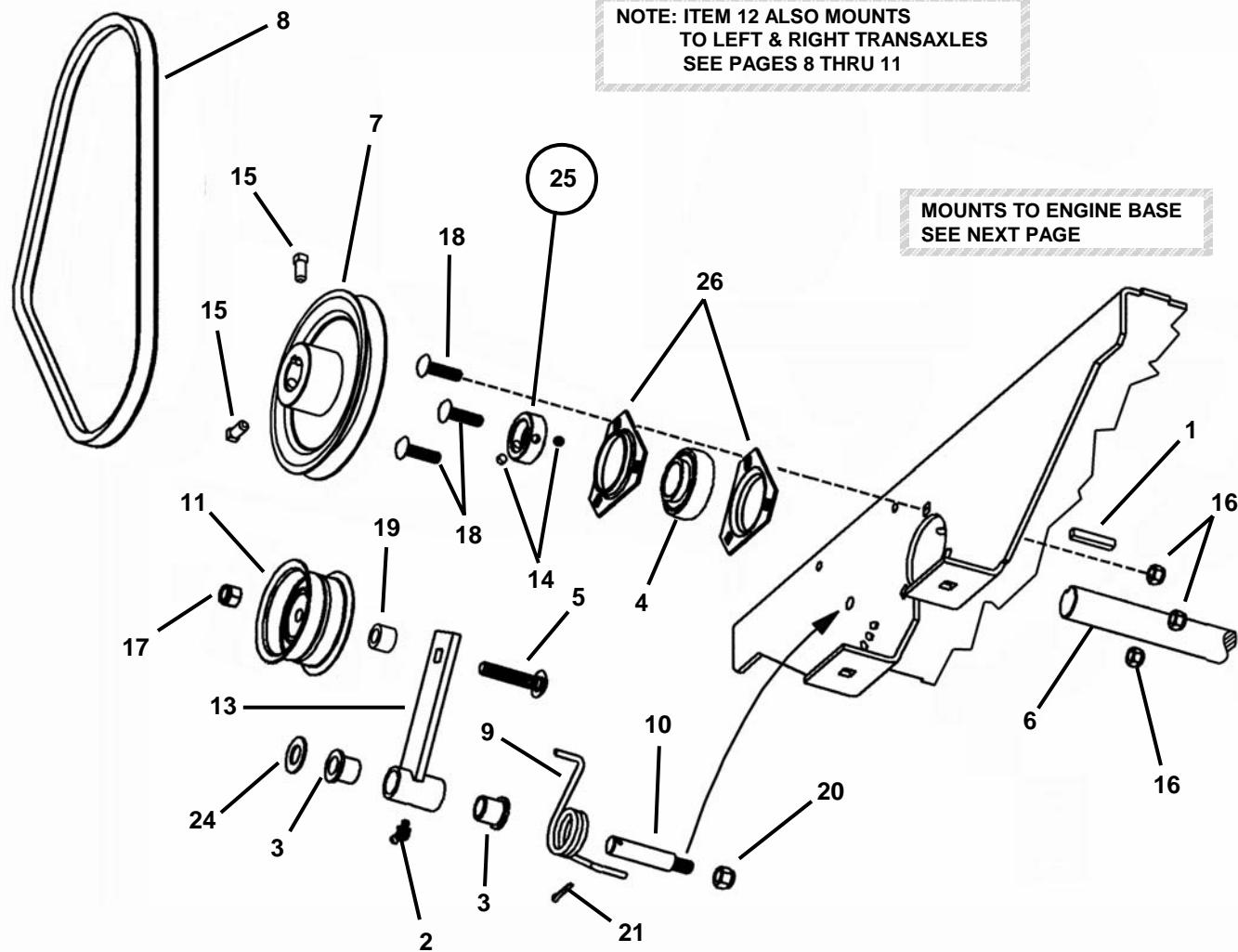
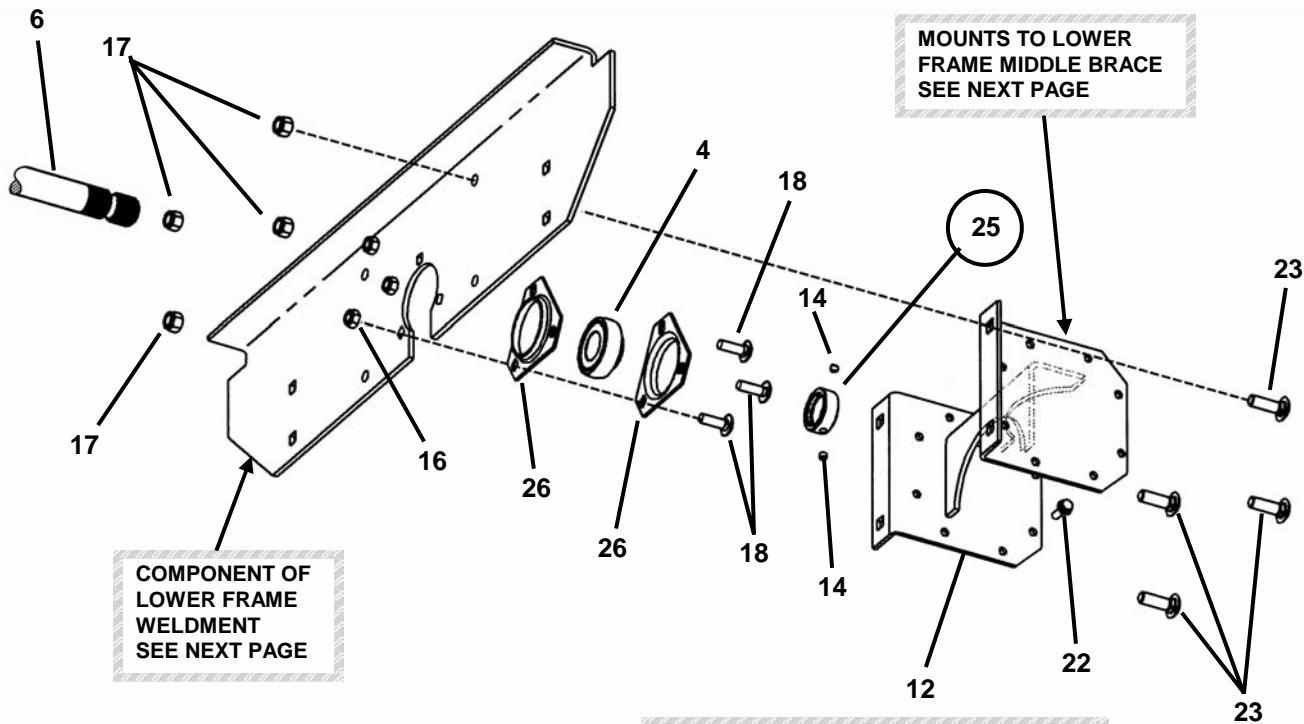


DECK DRIVESHAFT ASSEMBLY (Except for MZM Models)

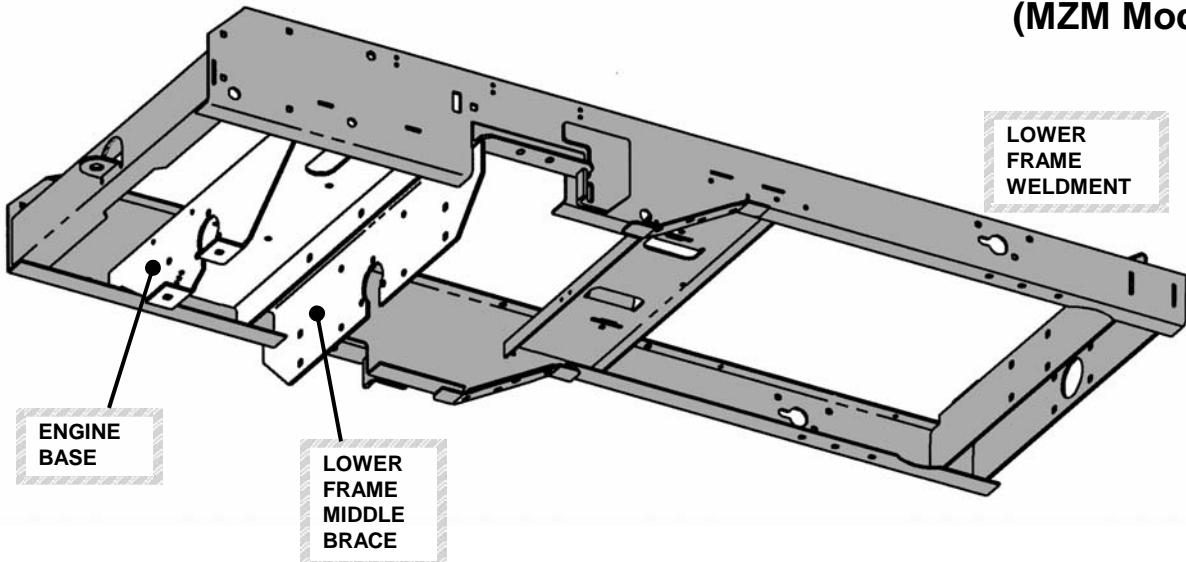


ITEM	PART NO.	DESCRIPTION
1	1-2315	KEY, 1/4 x 2" Square
2	1-3324	FITTING, Lube (45 degree, for 3/16" hole)
3	1-4409	BUSHING (2)
4	4-7227	BEARING, 1" I.D. (2)
5	9-0990	BOLT, 3/8-16 x 2" Short Neck Carriage, Grade 2
6	4-2801	DRIVE SHAFT, Deck (1" Diameter, 15 Spline)
7A	3-5531	PULLEY, Double V (5.45 O.D., A Section)
7B	7-2388	PULLEY, Double V (4.95 O.D., A Section) (Models ZMT2500KH, ZM2501KH, ZM2502KH)
8	3-5543	BELT, Deck Drive (HA 36.5 Effective Length) (2)
--	7-2293	BELT, Deck Drive (AX 38.5 Effective Length) (2) (Model ZMT2500KH, ZM2501KH, ZM2502KH)
9	3-5713	SPRING, Torsion
10	3-5816	STUD, Idler (3/8-24 Thread)
11	3-5867	FLAT IDLER, 2-3/4" O.D x 1-1/4" Wide
12	4-2865	WELDMENT, Hydro Support
13	4-2622	WELDMENT, Idler Arm
14	9-0776	SET SCREW, 1/4-20 x 1/4" Socket Head, Cone Point (4)
15	9-1802	SET SCREW, 5/16-18 x 5/8" Socket Hd., Cup Pt. (used with 7A)
--	9-0848	SET SCREW, 5/16-18 x 1/2" Sq. Hd. Knurled Cup (used with 7B)
16	9-1298	NUT, 5/16-18 Hex Nyloc (6)
17	9-1299	NUT, 3/8-16 Hex Nyloc (5)
18	9-1303	BOLT, 5/16-18 x 1" Round Head Short Neck, Grade 5 (6)
19	9-0122	WASHER, 3/8" Flat (3)
20	9-1518	NUT, 3/8-24 Hex Nyloc
21	9-1598	COTTER PIN, 1/8 x 3/4"
22	9-1787	SCREW, 1/4-20 x 5/8" Hex Flange Lock, Grade 5 (16)
23	2-7181	BOLT, 3/8-16 x 1-1/4" Short Neck Carriage, Grade 5 (4)
24	9-1804	WASHER, 9/16" Flat
25	1-4265	ASSEMBLY, Lock Collar, 1" (with 1/4" Set Screw, item 14)
26	4-7226	FLANGE, 1" Bearing (4)

DECK DRIVESHAFT ASSEMBLY (MZN Models)

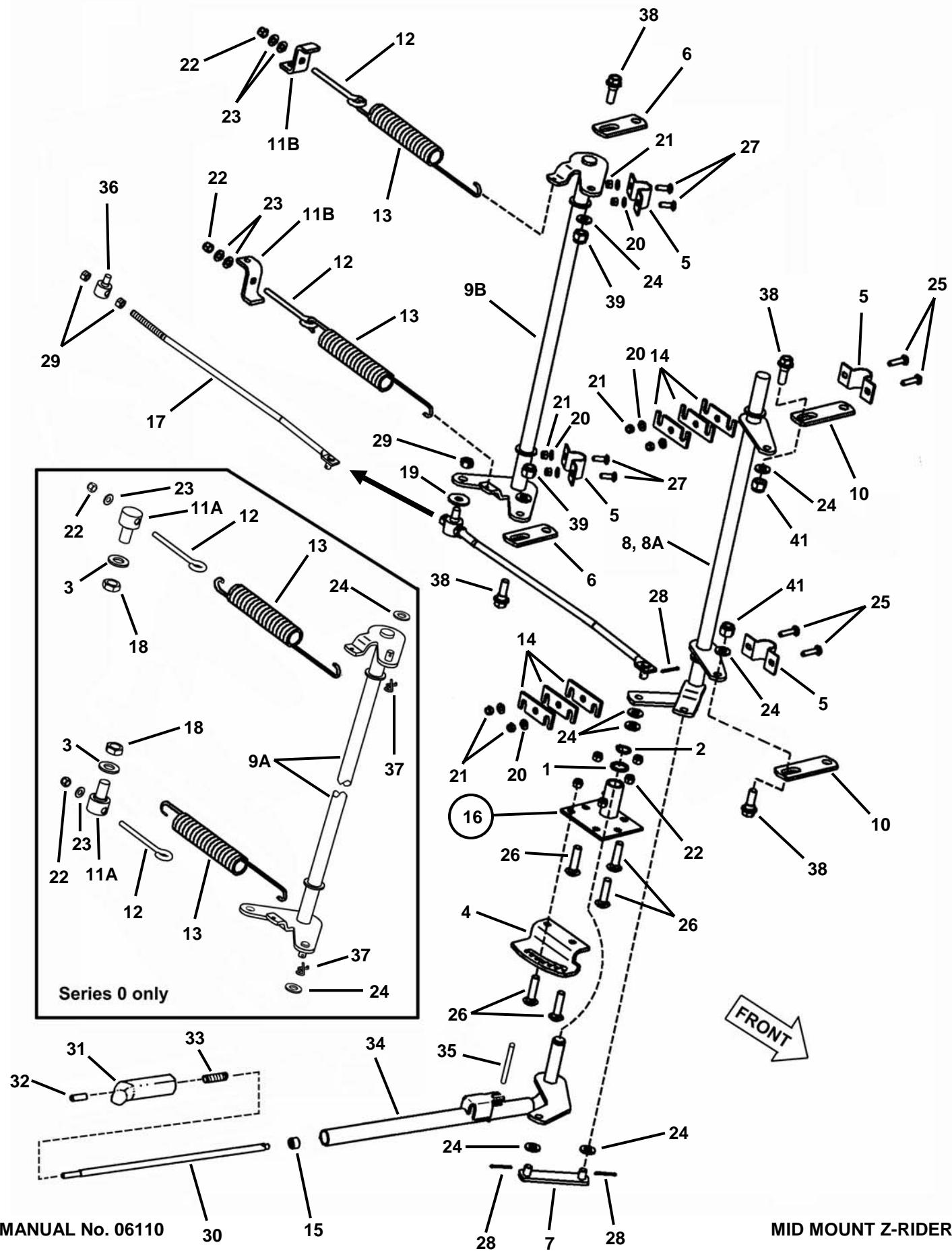


DECK DRIVESHAFT ASSEMBLY (MZN Models)



ITEM	PART NO.	DESCRIPTION
1	1-2315	KEY, 1/4 x 2" Square
2	1-3324	FITTING, Lube (45 degree, for 3/16" hole)
3	1-4409	BUSHING (2)
4	4-7227	BEARING, 1" I.D. (2)
5	9-0990	BOLT, 3/8-16 x 2" Short Neck Carriage, Grade 2
6	4-2801	DRIVE SHAFT, Deck (1" Diameter, 15 Spline)
7	4-6969	PULLEY, Single V (5.75" O.D., B Section)
8	5-8209	BELT, Deck Drive (AX 36.5" Effective Length)
9	3-5713	SPRING, Torsion
10	3-5816	STUD, Idler (3/8-24 Thread)
11	1-8573	PULLEY, Idler (3.56" O.D.)
12	4-2865	WELDMENT, Hydro Support
13	4-2622	WELDMENT, Idler Arm
14	9-0776	SET SCREW, 1/4-20 x 1/4" Socket Head, Cone Point (4)
15	9-1995	SET SCREW, 5/16-18 x 5/8" Socket Head, Knurled Point
16	9-1298	NUT, 5/16-18 Hex Nyloc (6)
17	9-1299	NUT, 3/8-16 Hex Nyloc (5)
18	9-1303	BOLT, 5/16-18 x 1" Round Head Short Neck, Grade 5 (6)
19	4-7213	SPACER, Idler
20	9-1518	NUT, 3/8-24 Hex Nyloc
21	9-1598	COTTER PIN, 1/8 x 3/4"
22	9-1787	SCREW, 1/4-20 x 5/8" Hex Flange Lock, Grade 5 (16)
23	2-7181	BOLT, 3/8-16 x 1-1/4" Short Neck Carriage, Grade 5 (4)
24	9-1804	WASHER, 9/16" Flat
25	1-4265	ASSEMBLY, Lock Collar, 1" (with 1/4" Set Screw, item 14)
26	4-7226	FLANGE, 1" Bearing (4)

DECK LIFT SYSTEM



MANUAL No. 06110

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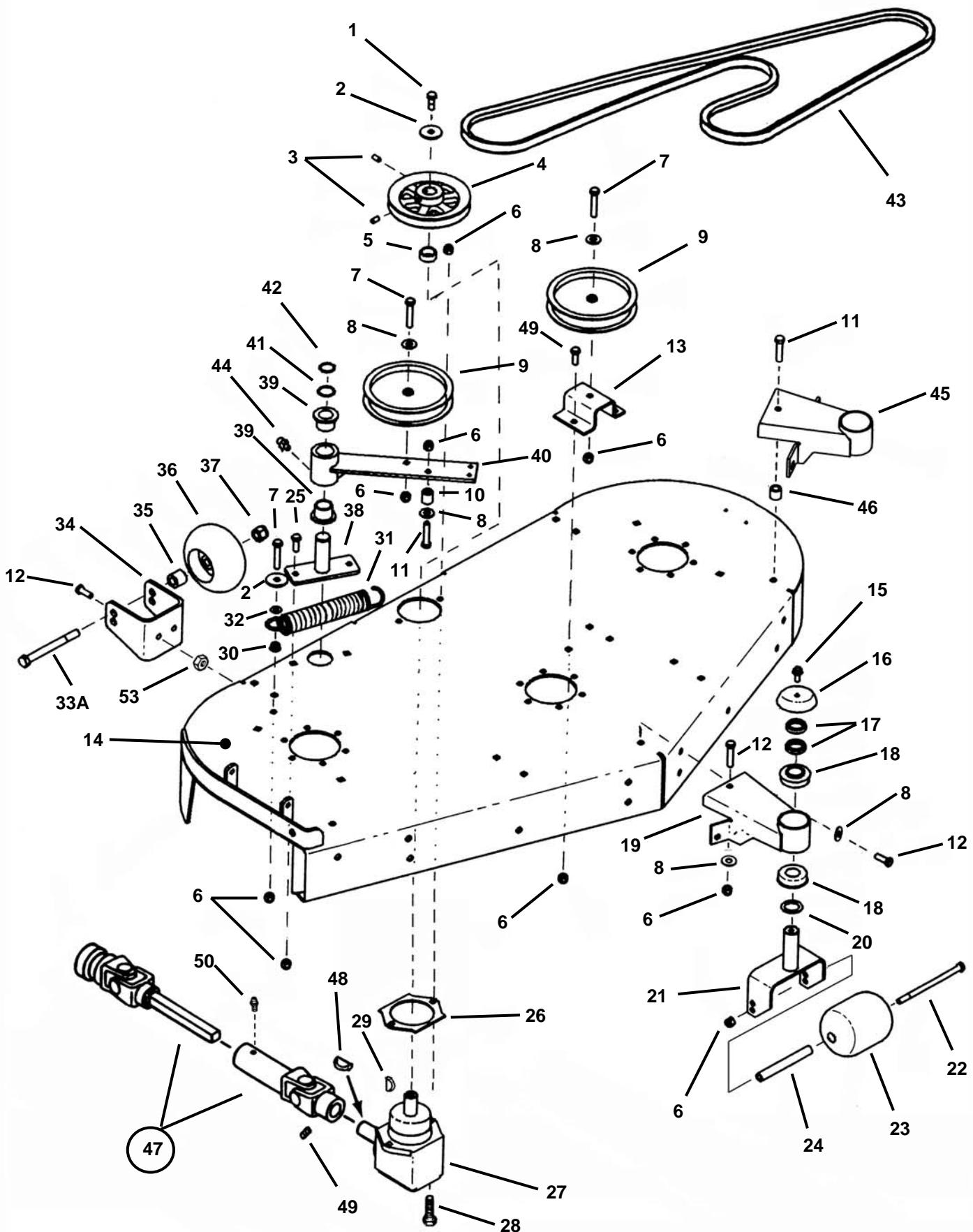
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MID MOUNT Z-RIDER

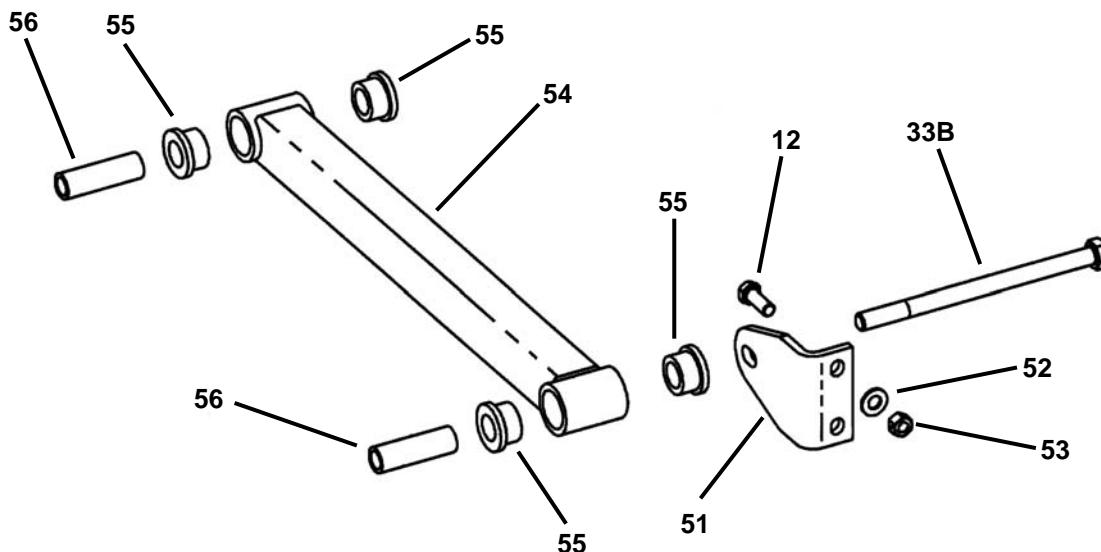
DECK LIFT SYSTEM

ITEM	PART NO.	DESCRIPTION
1	1-4354	WASHER, 29/32" I.D. x 1-1/4" O.D.
2	1-5020	RING, 7/8" External Retaining
3	3-4453	WASHER, 25/32" x 1-1/2" Flat (ZM Series 0 Models Only) (2)
4	4-3801	BRACKET, Deck Height Quadrant
5	4-3803	BRACKET, Deck Support (4)
6	4-3819	PLATE, Rear Link (4.95" long) (2) (ZM Series 0 Models Only)
--	7-2422	PLATE, Rear Link (4.33" long) (2) (ZMT, MZM & ZM Series 1 & 2 Models)
7	4-3823	WELDMENT, Lift Handle Link
8	4-3827	LIFT, Front Deck (ZM Series 0 Models Only)
8A	5-8741	LIFT, Front Deck (ZMT, MZM & ZM Series 1 Models)
9A	4-6404	WELDMENT, Shaft Deck Lift (ZM Series 0 Models Only)
9B	5-8225	WELDMENT, Shaft Deck Lift (ZMT, MZM & ZM Series 1 & 2 Models)
10	7-3196	PLATE, Front Link (5.45" long) (2) (ZM Series 0, 1 & 2 & ZMT Models)
--	7-3197	PLATE, Front Link (5.20" long) (2) (MZM Model Only)
11A	4-4859	SWIVEL, Spring Anchor (ZM Series 0 Models Only) (2)
11B	4-6412	BRACKET, Spring Adjustment (2) (ZMT, MZM & ZM Series 1 & 2 Models)
12	4-4860	EYEBOLT, 5/16-18 x 3" (2)
13	7-2225	SPRING, Extension Lift Assist (2)
14	4-4870	PLATE, Shim (6)
15	1-5019	PLUG, Rod
16	5-4543	ASSEMBLY, Pivot Plate (Includes 4-3804 Weldment, 1-3864 Lube Fitting and two 1-8289 Sleeve Bearings)
17	4-4857	WELDMENT, Timing Rod
18	9-0820	NUT, 3/4-16 Hex Jam Lock (used on ZM Series 0 Only) (2)
19	9-1194	WASHER, 17/32" x 1-1/2"
20	9-0188	WASHER, 11/32" x 11/16" Flat (8)
21	9-1298	NUT, 5/16-18 Hex Nylon Insert (8)
22	9-1299	NUT, 3/8-16 Hex (7)
23	9-0122	WASHER, 3/8" Flat (4)
24	9-1587	WASHER, 17/32" x 1-1/16" (8)
25	9-1612	BOLT, 5/16-18 x 1-1/2" Carriage Grade 5 (4)
26	9-1640	BOLT, 3/8-16 x 1" Carriage (5)
27	9-1714	BOLT, 5/16-18 x 1-1/2" Carriage Grade 5 (4)
28	9-1809	PIN, 1/8" x 1-1/4" Cotter (3)
29	9-1894	NUT, 1/2-13 Hex Center Lock Grade 5 (3)
30	4-4833	ROD, Lift Lever
31	1-9363	GRIP, Lift Lever Handle
32	1-4361	CAP, Lift Rod
33	1-4432	SPRING
34	4-3833	WELDMENT, Deck Lift Lever
35	1-4437	PIN, 1/4" x 2-1/4" Groove
36	4-4858	SWIVEL, Timing Rod
37	9-1947	PIN, 1/8 x 1/2" Hair (used on ZM Series 0 Only) (4)
38	9-2017	BOLT, 1/2-20 Shoulder (ZMT, ZM & MZM Series 1 & 2 Models) (4)
39	9-0559	NUT, 1/2-20 Hex Jam (ZMT & ZM Series 1 Models) (2)
40	9-1508	BOLT, 5/16-18 x 3/4" Carriage, Gr. 5 (ZMT & ZM Series 1 & 2 Models) (6)
41	9-0393	NUT, 1/2-20 Hex Nyloc (4)

52" DECK, IDLERS, ROLLERS

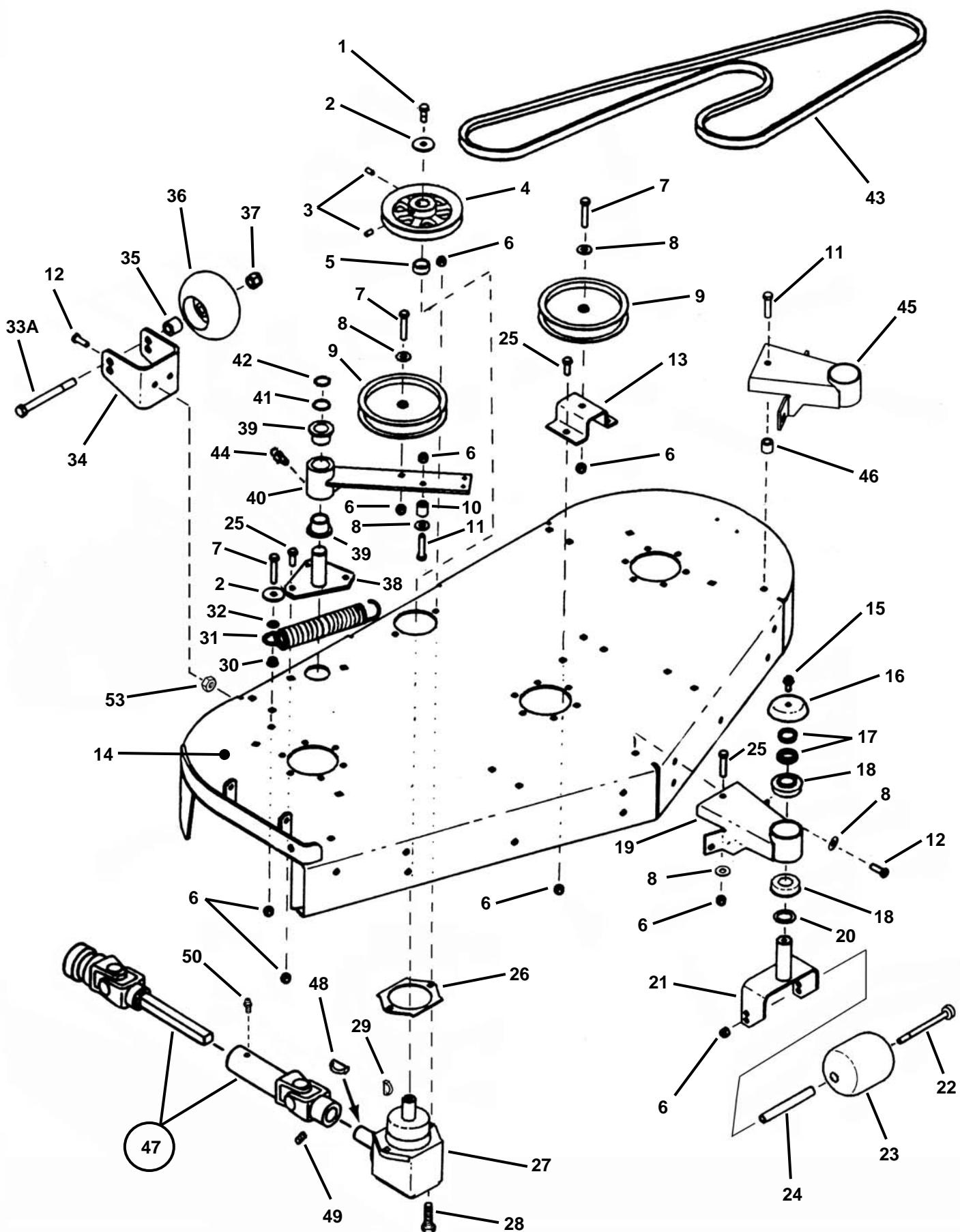


52" DECK, IDLERS, ROLLERS

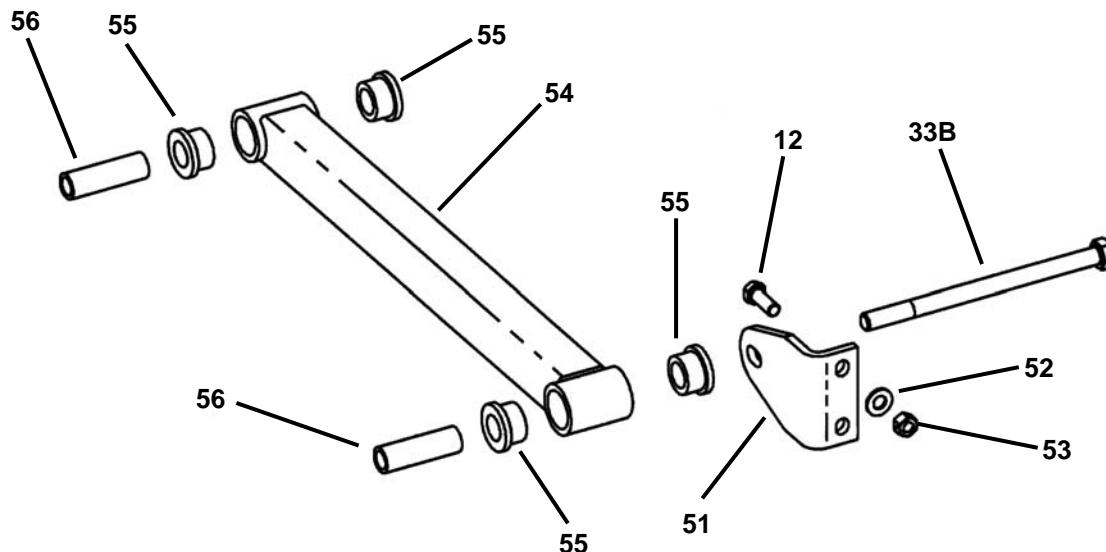


ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	9-1899	SCREW, 3/8-24 x 1" Cap, Gr. 5	27	5-8342	GEARBOX, Right Angle (Peerless Series 1000-52)
2	9-1331	WASHER, 13/32" Flat (2)	28	9-1328	SCREW, 3/8-16 x 1-1/4" Gr. 5(2)
3	9-1802	SET-SCREW, 5/16" x 5/8" Socket Head (2)	29	1-0008	KEY, #6 Woodruff
4	4-2867	PULLEY, Cast 5-3/4" O.D.	30	9-0613	NUT, 3/8-16 Hex Flange
5	3-5668	SPACER	31	3-5667	SPRING, Extension
6	9-1299	NUT, 3/8-16 Hex Nyloc (17)	32	1-3847	RETAINER, 3/8" Bolt
7	9-1305	SCREW, 3/8-16 x 2" (3)	33A	9-1822	SCREW, 1/2-13 x 5" Cap (2)
8	9-1300	WASHER, 7/16" Flat (12)	33B	9-2072	SCREW, 1/2-13 x 7" Gr. 5 (2)
9	3-5789	PULLEY, 5-1/2 Idler (2)	34	3-6457	FORK, Gauge Wheel (2)
10	3-5858	SPACER, 3/4" Outside Diameter	35	3-6456	SPACER, Gauge Wheel (2)
11	9-1553	SCREW, 3/8-16 x 1-3/4" Hex Head Cap Grade 5 (3)	36	2-9264	WHEEL, Gauge (2)
12	9-1304	SCREW, 3/8-16 x 1" Hex Head Cap, Grade 5 (13)	37	9-1325	NUT, 1/2-13 Hex Nylock (2)
13	3-6449	STAND, Fixed Idler	38	4-2976	WELDMENT, Idler Pivot
14	4-4784	WELDMENT, Deck, 52"	39	2-3556	BUSHING, Caster (2)
15	9-1541	SCREW, 5/16-18 x 3/4" Hex Washer Self Tap (3)	40	4-2619	WELDMENT, Idler Arm
16	4-4839	CAP, Caster Shaft (3)	41	3-2031	WASHER, 1-1/32" Flat
17	2-1960	SPACER, 1" (6)	42	1-2709	RING, 1" External Retaining
18	4-4892	BEARING, Radial Flanged (6)	43	4-2776	BELT, 52" HB (122")
19	4-4643	WELDMENT, Gauge Wheel Bracket	44	7-6998	ZERK, 1/4-28 Self Tapping
20	2-3747	BUSHING, 1" Machine (3)	45	4-1821	WELDMENT, Gauge Wheel (2)
21	4-4646	WELDMENT, Gauge Wheel Caster (3)	46	4-4752	SPACER, 3/8" Inside Dia. (2)
22	9-1617	SCREW, 3/8-16 x 6" (3)	47	5-8494	DRIVESHAFT, Telescoping (Includes items 48-50)
23	7-9868	ROLLER, 3-3/4" x 4-13/16" Nylon (3)	48	1-0211	KEY, #9 Woodruff
24	7-9882	TUBE, Axle (3)	49	9-0132	SET SCREW, 3/8-16 x 3/8" Hex Recess (2)
25	9-1640	BOLT, 3/8-16 x 1" Carriage, Grade 5 (5)	50	1-2700	FITTING, 1/4-28 Lube
26	3-6455	GEARBOX, Shim	51	7-4155	L-BRK'T, Deck Stabilizer Bar (2)
			52	9-0122	WASHER, 3/8" Flat (4)
			53	9-1585	NUT, 3/8-16 Hex Center Lock (8)
			54	5-9184	STRUCTURE, 52" Stabilizer Bar (2)
			55	2-9258	BUSHING, Suspension (8)
			56	2-9263	SLEEVE, Suspension (4)

61" DECK, IDLERS, ROLLERS

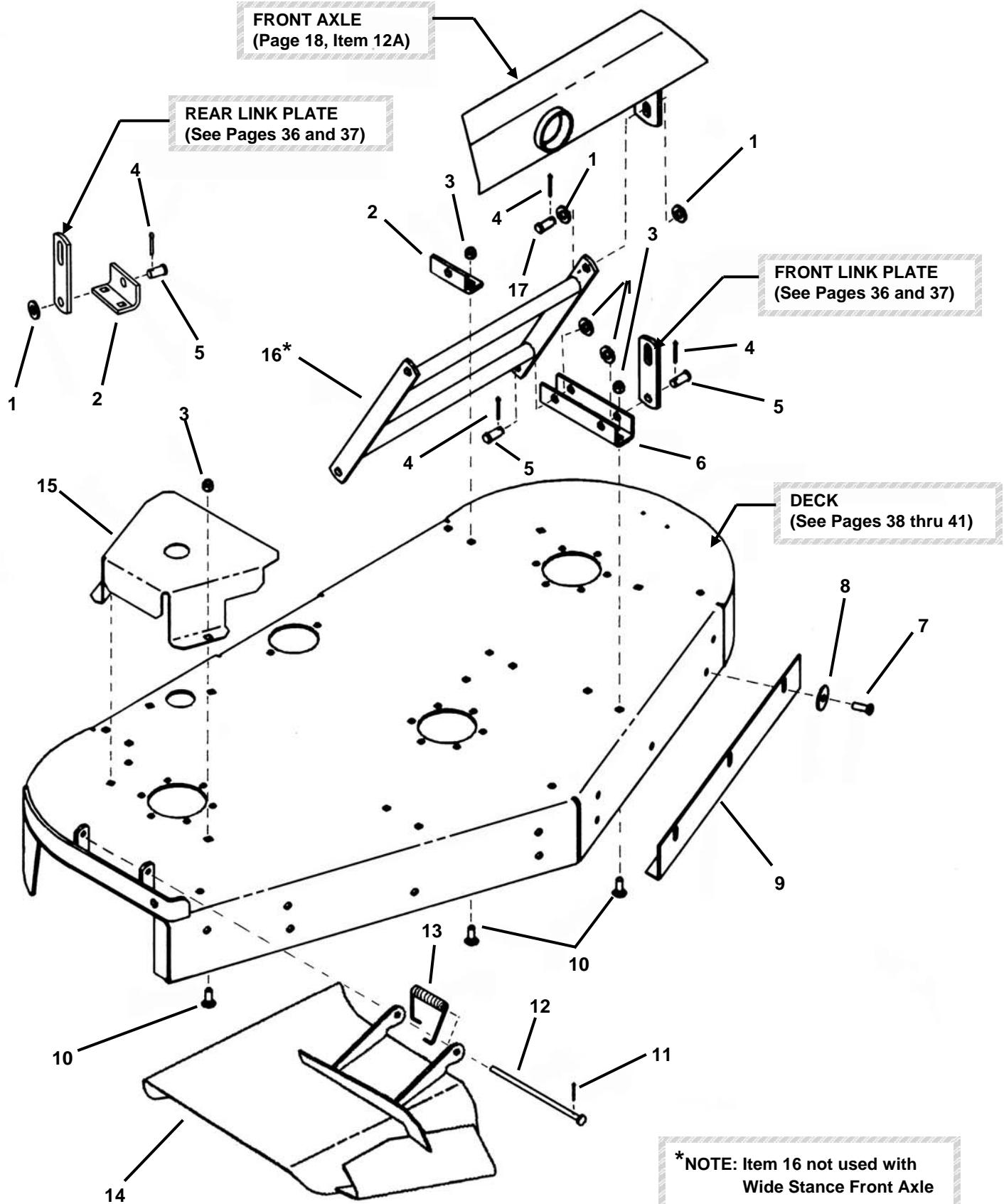


61" DECK, IDLERS, ROLLERS



ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	9-1899	SCREW, 3/8-24 x 1" Cap, Gr. 5	27	5-8342	GEARBOX, Right Angle (Peerless Series 1000-52)
2	9-1331	WASHER, 13/32" Flat (2)	28	9-1328	SCREW, 3/8-16 x 1-1/4" Gr. 5(2)
3	9-1802	SET-SCREW, 5/16" x 5/8" Socket Head (2)	29	1-0008	KEY, #6 Woodruff
4	7-4466	PULLEY, 5.25 Cast	30	9-0613	NUT, 3/8-16 Hex Flange
5	3-5668	SPACER	31	3-5667	SPRING, Extension
6	9-1299	NUT, 3/8-16 Hex Nyloc (17)	32	1-3847	RETAINER, 3/8" Bolt
7	9-1305	SCREW, 3/8-16 x 2" (3)	33A	9-1822	SCREW, 1/2-13 x 5" Cap (2)
8	9-1300	WASHER, 7/16" Flat (12)	33B	9-2072	SCREW, 1/2-13 x 7", Gr. 5 (2)
9	3-5789	PULLEY, 5-1/2 Idler (2)	34	3-6457	FORK, Gauge Wheel (2)
10	3-5858	SPACER, 3/4" Outside Diameter	35	3-6456	SPACER, Gauge Wheel (2)
11	9-1553	SCREW, 3/8-16 x 1-3/4" Hex Head Cap Gr. 5 (3)	36	2-9264	WHEEL, Gauge (2)
12	9-1304	SCREW, 3/8-16 x 1" Hex Head Cap (13)	37	9-1325	NUT, 1/2-13 Hex Nylock (2)
13	3-6449	STAND, Fixed Idler	38	4-1295	WELDMENT, Idler Pivot
14	4-3847	WELDMENT, Deck, 61"	39	2-3556	BUSHING, Caster (2)
15	9-1541	SCREW, 5/16-18 x 3/4" Hex Self Tapping (3)	40	4-2619	WELDMENT, Idler Arm
16	4-4839	CAP, Caster Shaft (3)	41	3-2031	WASHER, 1-1/32" Flat
17	2-1960	SPACER, 1" (6)	42	1-2709	RING, 1" External Retaining
18	4-4892	BEARING, Radial (6)	43	3-5542	BELT, 61" HB (134-1/2")
19	4-4643	WELDMENT, Gauge Wheel Bracket	44	7-6998	ZERK, 1/4-28 Self Tapping
20	2-3747	BUSHING, 1" Machine (3)	45	4-1821	WELDMENT, Gauge Wheel (2)
21	4-4646	WELDMENT, Gauge Wheel Caster (3)	46	4-4752	SPACER, 3/8" Inside Diameter
22	9-1617	SCREW, 3/8-16 x 6" (3)	47	5-8494	DRIVESHAFT, Telescoping (Includes items 48-50)
23	7-9868	ROLLER, 3-3/4" x 4-13/16" Nylon (3)	48	1-0211	KEY, #9 Woodruff
24	7-9882	TUBE, Axle (3)	49	9-0132	SET SCREW, 3/8-16 x 3/8" Hex Recess (2)
25	9-1640	BOLT, 3/8-16 x 1" Carriage, Grade 5 (6)	50	1-2700	FITTING, 1/4-28 Lube
26	3-6455	GEARBOX, Shim	51	7-4155	BRACKET, Deck Stabilizer
			52	9-0122	WASHER, 3/8" Flat (4)
			53	9-1585	NUT, 3/8-16 Hex Center Lock (8)
			54	5-9166	STRUCTURE, 61" Stabilizer Bar (2)
			55	2-9258	BUSHING, Suspension (8)
			56	2-9263	SLEEVE, Suspension (4)

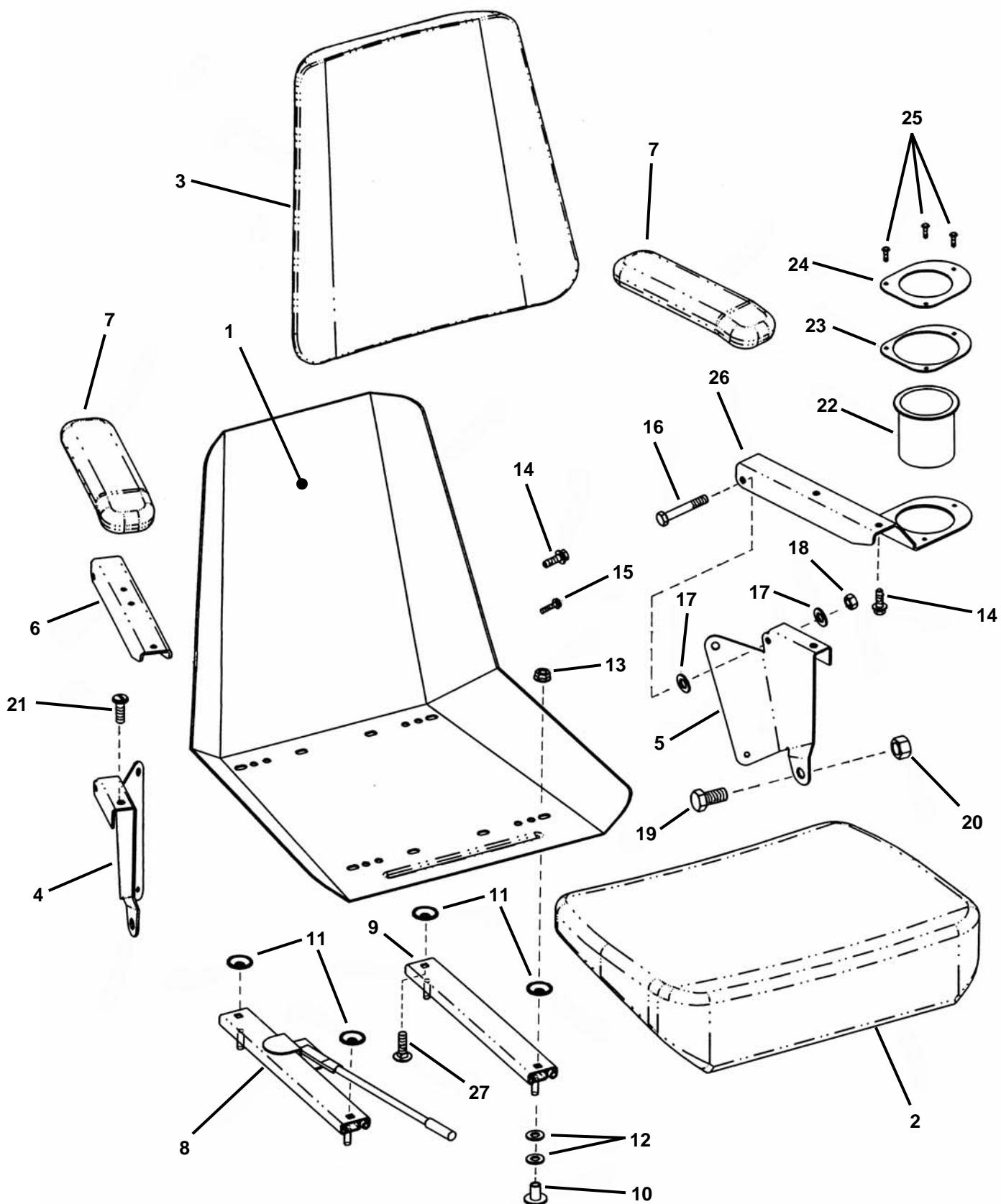
CHUTE, DECK COVERS & BAFFLE



CHUTE, DECK COVERS & BAFFLE

ITEM	PART NO.	DESCRIPTION
1	9-1587	WASHER, 17/32 x 1-1/16 Flat (10)
2	4-3824	BRACKET, Rear Lift (2)
3	9-1299	NUT, 3/8-16 Hex (12)
4	9-1516	PIN, 5/32 x 1" Cotter (8)
5	9-1948	PIN, 1/2 x 23/32 Clevis (6)
6	4-4670	BRACKET, Front Lift (2)
7	9-1304	SCREW, 3/8-16 x 1" Hex Cap (6)
8	9-1331	WASHER, 13/32 x 1-1/2" Flat (6)
9	4-2914	BAFFLE, 52 Front (2)
--	3-6445	BAFFLE, 61 Front (2)
10	9-1640	BOLT, 3/8-16 x 1" Carriage (12)
11	9-1313	PIN, 3/32 x 1" Cotter
12	2-9277	PIN, Chute Hinge
13	2-7950	SPRING, Chute
14	4-2903	CHUTE, 52" Deck
--	4-4806	CHUTE, 52" Deck (Euro)
--	4-2656	CHUTE, 61" Deck
--	5-8291	CHUTE, 61" Deck (Euro)
15	4-4756	COVER, Spindle (2)
16	4-5339	WELDMENT, Pull Bar
17	1-2802	PIN, 1/2 x 1-1/8" Clevis (2)

SEAT ASSEMBLY
(Except for MZM2200K & MZM2300KH)



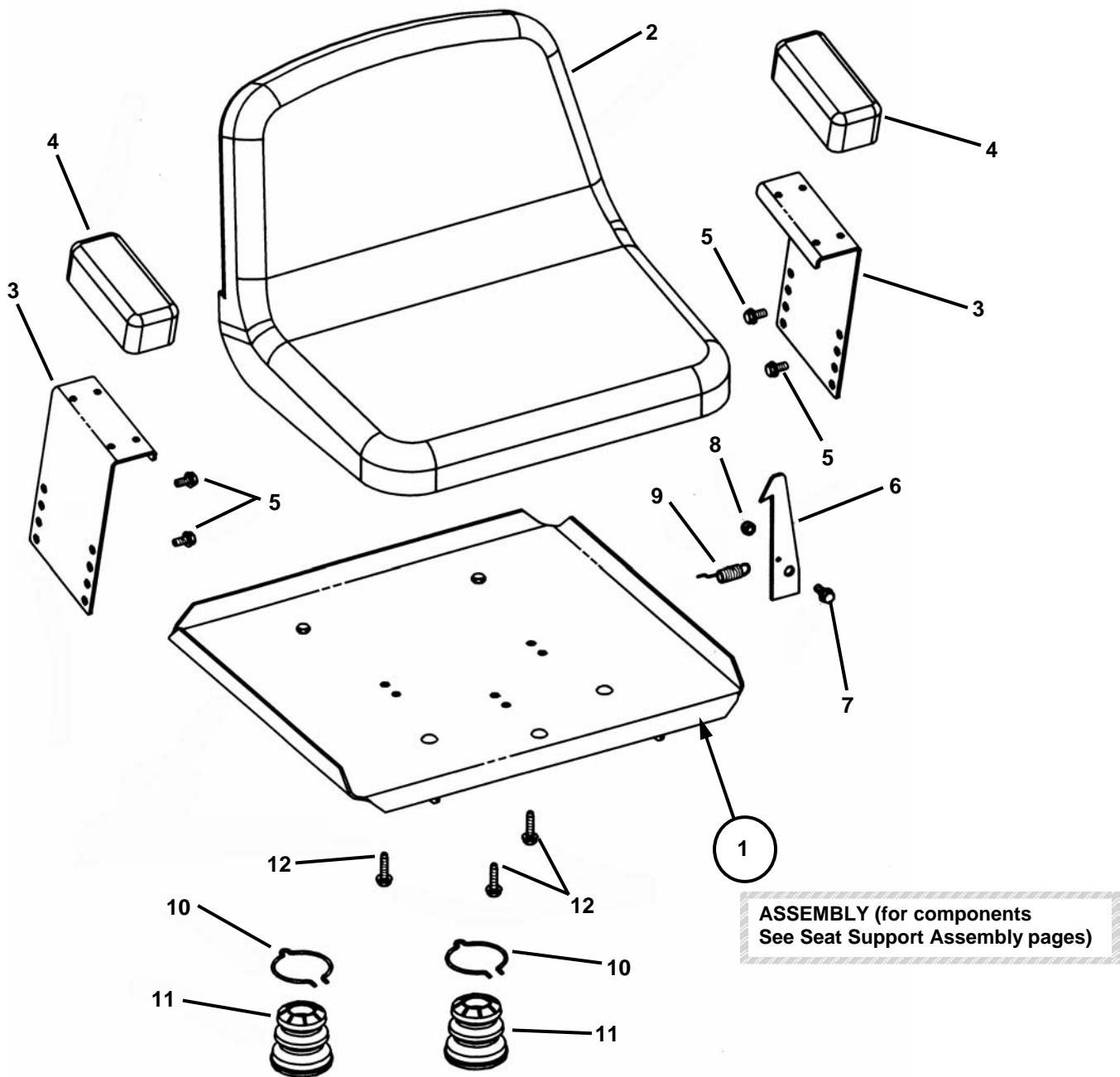
**SEAT ASSEMBLY
(Except for MZM2200K & MZM2300KH)**

ITEM	PART NO.	DESCRIPTION
**	5-4117	SEAT ASSEMBLY (Includes indented items below)
1	**	PAN, Complete
2	3-6476	CUSHION, Seat
3	3-6477	CUSHION, Back
4	4-4724	BRACKET, Armrest (Right Hand)
5	3-5568	BRACKET, Armrest (Left Hand)
6	3-6478	CHANNEL, Armrest
7	3-6479	ARM PAD, Grey (2)
8	3-6484	ADJUSTER (with lock)
9	3-6485	ADJUSTER (without lock)
10	**	STUD GUARD (4)
11	3-6486	SPACER, Bell (4)
12	9-1296	WASHER, 5/16" Flat (8)
13	9-1601	NUT, 5/16-18 Hex Flange Lock, Grade 5 (6)
14	**	SCREW, 1/4-20 x 3/4" Phillips (9)
15	**	SCREW, #8-32 x 1/2" Self Tapping (2)
16	2-7174	SCREW, 5/16-18 x 2" Hex Head Cap, Grade 5 (2)
17	3-5797	WASHER, 13/32" I.D. x 3/4 O.D. Poly (4)
18	9-1067	NUT, 5/16-18 Hex Head Center Lock, Grade B (2)
19	9-0646	SCREW, 1/2-13 x 1" Hex Head Cap, Grade 5 (2)
20	9-0975	NUT, 1/2-13 Hex Head Center Lock, Grade 5 (2)
21	9-0683	SCREW, 5/16-18 x 1" Slotted Pan Head
22	4-2968	HOLDER, Beverage
23	4-4902	SPACER, Cup Holder
24	4-4903	COVER, Cup Holder
25	9-1919	RIVET, 3/16" Pan Head (3)
26	4-4904	BRACKET, Armrest Cup Holder
27	9-1303	BOLT, 5/16-18 x 1" Short Neck Carriage, Grade 5 (6)

****NOTE: Not a Part Sales item.**

Refer to pages 26 & 27 for Seat Support Components.

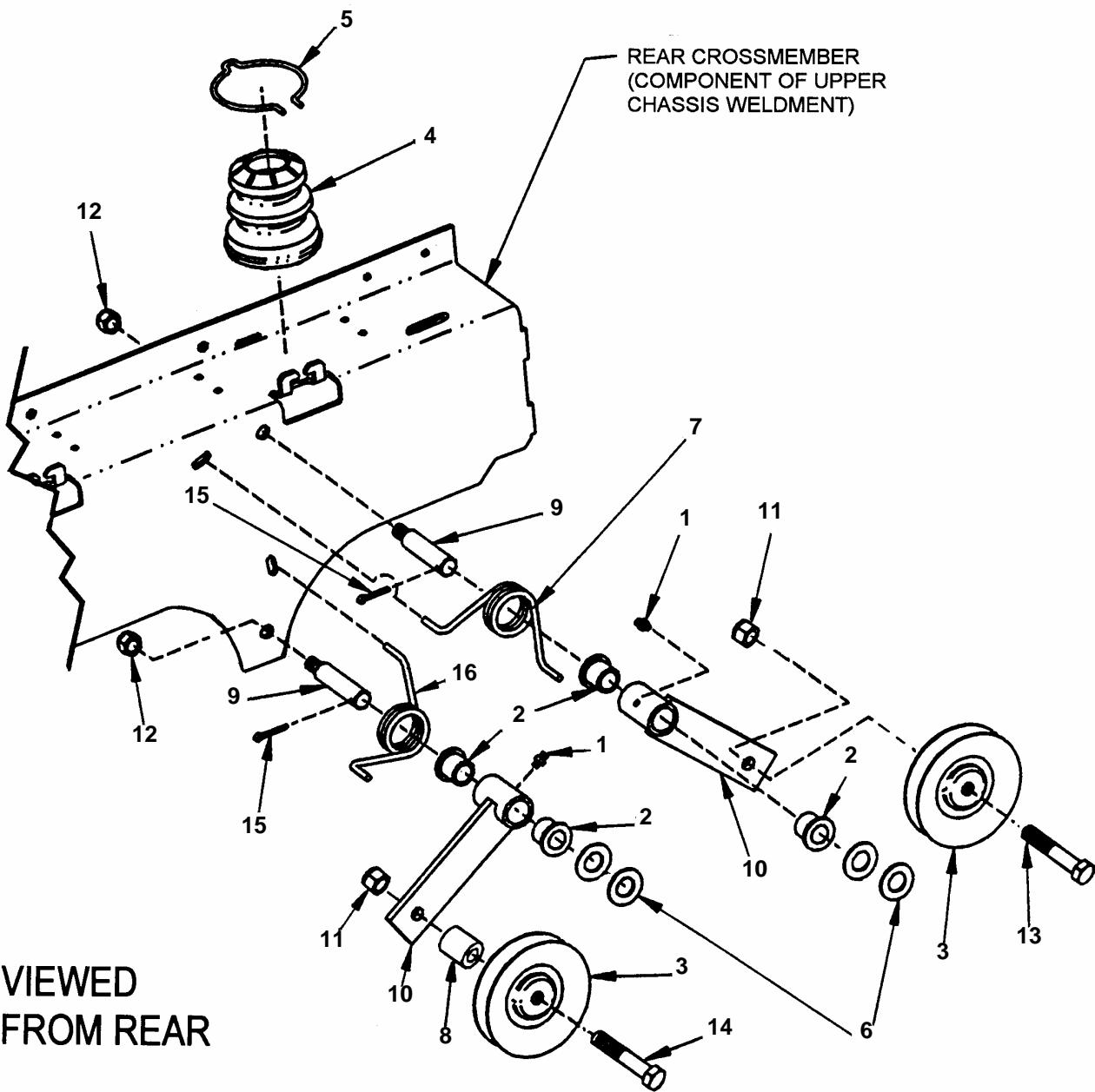
SEAT ASSEMBLY (MZM Models)



**ASSEMBLY (for components
See Seat Support Assembly pages)**

ITEM	PART NO.	DESCRIPTION
1	4-7036	ASSEMBLY, Seat Support
2	4-4897	SEAT, Milco High Back
3	7-2401	BRACKET, Armrest (Painted) (2)
4	4-4855	ARM REST (2)
5	9-1523	SCREW, 5/16-18 x 5/8" Hex Washer Self-Tap (4)
6	7-2106	LATCH, Seat Support
7	9-1800	BOLT, 5/16-18 Shoulder w/ Nylon Patch
8	9-1298	NUT, 5/16-18 Nyloc
9	2-6292	SPRING, Extension
10	1-9348	CLIP, Seat Cushion (2)
11	1-9109	COVER, Spring (Rubber) (2)
12	9-1151	SCREW, 5/16-18 x 1-1/4" Hex Washer Self-Tap (3)
13	9-1296	WASHER, 11/32 I.D. x 11/16 O.D. (2)

TRACTION DRIVE IDLER ASSEMBLY



1	1-3324	FITTING, 3/16 Lube (2)
2	1-4409	BUSHING, 9/16 I.D., 3/4" O.D. (4)
3	1-8573	PULLEY, Idler 3.48 O.D. (2)
4	1-9109	COVER, Spring (Rubber) (2)
5	1-9348	CLIP, Seat Cushion (2)
6	9-1804	WASHER, 9/16 Flat (Type B) (4)
7	4-4765	SPRING, Torsion
8	3-5812	SPACER, 3/8 I.D. 5/8 O.D. x 5/8" Long
9	3-5816	PIN, 3/8-24 (2)
10	4-2622	IDLER ARM (Weldment) (2)
11	9-1299	NUT, 3/8-16 Hex Nyloc (2)
12	9-1518	NUT, 3/8-24 Hex Nyloc (2)
13	9-1553	SCREW, 3/8-16 x 1-3/4" Hex Head Cap, Grade 5
14	9-1560	SCREW, 3/8-16 x 2-1/4" Hex Head Cap, Grade 5
15	9-1598	COTTER PIN, 1/8 x 3/4" (2)
16	4-4760	SPRING, Torsion

DECALS

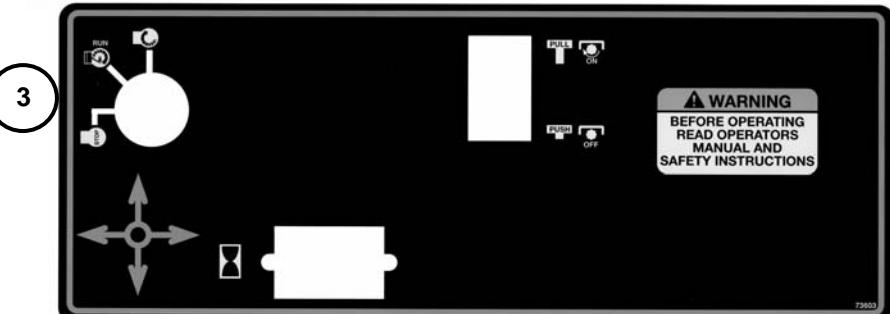


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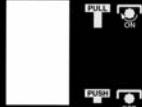
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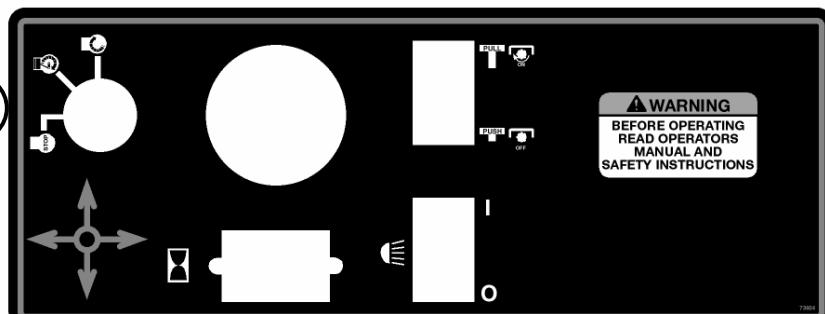
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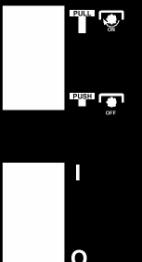
WARNING
BEFORE OPERATING
READ OPERATORS
MANUAL AND
SAFETY INSTRUCTIONS

This Product may be covered by one or more of the following patents:
 4,158,279 4,164,112
 4,189,903 4,248,034 4,300,332
 4,430,848 4,498,552 4,756,146
 4,920,733 4,936,886 4,984,479
 4,989,400 5,042,241 5,066,146
 5,146,735 5,195,308 5,199,251
 5,297,379 5,303,534 5,353,578
 5,353,581 5,488,818 5,511,367
 5,526,635 D358,400 5,601,512
 Other Patents Pending. 29470

6



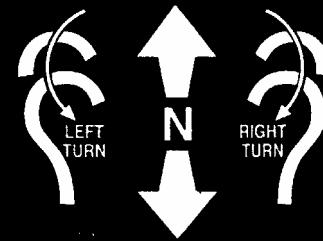
4



WARNING
BEFORE OPERATING
READ OPERATORS
MANUAL AND
SAFETY INSTRUCTIONS

MOTION CONTROL LEVERS

FORWARD



LEFT TURN

RIGHT TURN

REVERSE

72444



CAUTION

- BEFORE MOWING:
- READ OPERATOR'S MANUAL AND OTHER INSTRUCTIONS FURNISHED WITH THIS MACHINE AND THE ATTACHMENTS.
- PRACTICE WITH BLADE OFF TO LEARN CONTROLS AND PROPER OPERATION.
- MAKE SURE THAT GUARDS, CONTROLS, AND OTHER SAFETY DEVICES ARE IN PROPER POSITION AND FUNCTIONAL.
- CLEAR MOWING AREA OF WIRE, ROCKS, AND OTHER OBJECTS THAT COULD CAUSE INJURY IF THROWN BY BLADE.

- TO AVOID INJURY**
- PROTECT CHILDREN AND OTHER PEOPLE:
- DO NOT ALLOW CHILDREN (PRETEEN-AGERS) TO USE MACHINE. KEEP CHILDREN AND OTHERS SAFELY AWAY FROM OPERATING AREA.
- TEENAGERS AND OTHER INEXPERIENCED OPERATORS MUST BE CAREFULLY INSTRUCTED AND CLOSELY SUPERVISED.
- BE CAREFUL ON SLOPES:
- DO NOT MOW ON ANY SLOPE OR OTHER AREA WHERE STABILITY OR TRACTION IS IN DOUBT.

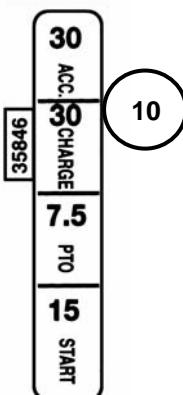
- MOW ACROSS SLOPES, NOT UP AND DOWN.
- REDUCE SPEED AND AVOID SHARP TURNS ON SLOPES.
- DO NOT USE SULKY ON SLOPES.
- Avoid ditches and others drop-offs.
- AVOID CONTACT WITH ROTATION BLADE:
- STOP BLADE AND ENGINE BEFORE ATTEMPTING TO UNLOG DISCHARGE OR PLACING HANDS OR FEET NEAR BLADE.
- DO NOT LEAVE OPERATOR'S POSITION UNLESS BLADE AND ENGINE ARE STOPPED.
- REMOVE KEY WHEN LEAVING MACHINE UNATTENDED.

24156



8

9



ITEM	PART NO.	DESCRIPTION
1	3-5847	LOGO, Side 24.5" Long
2	3-5848	LOGO, Front 16.33" Long
3	7-3603	DECAL, Control Panel (MZN Models)
4	7-3604	DECAL, Control Panel
--	4-4757	DECAL, Control Panel (not shown)
--	4-6425	DECAL, Control Panel (not shown)
5	4-5122	DECAL, Pro Cruiser
6	2-9470	DECAL, Patent Numbers
7	7-2444	DECAL, Twin Stick Control
8	4-5108	DECAL, Tank Selector
9	2-4156	DECAL, Caution
10	3-5846	DECAL, Fuse

DECALS



12

SNAPPER

13

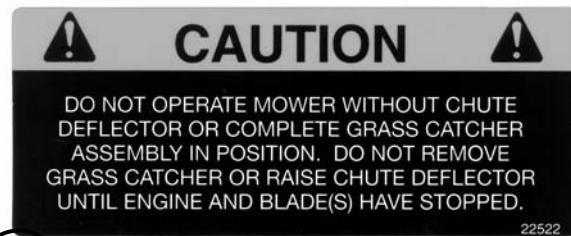
SNAPPER

19



14

16



15

17

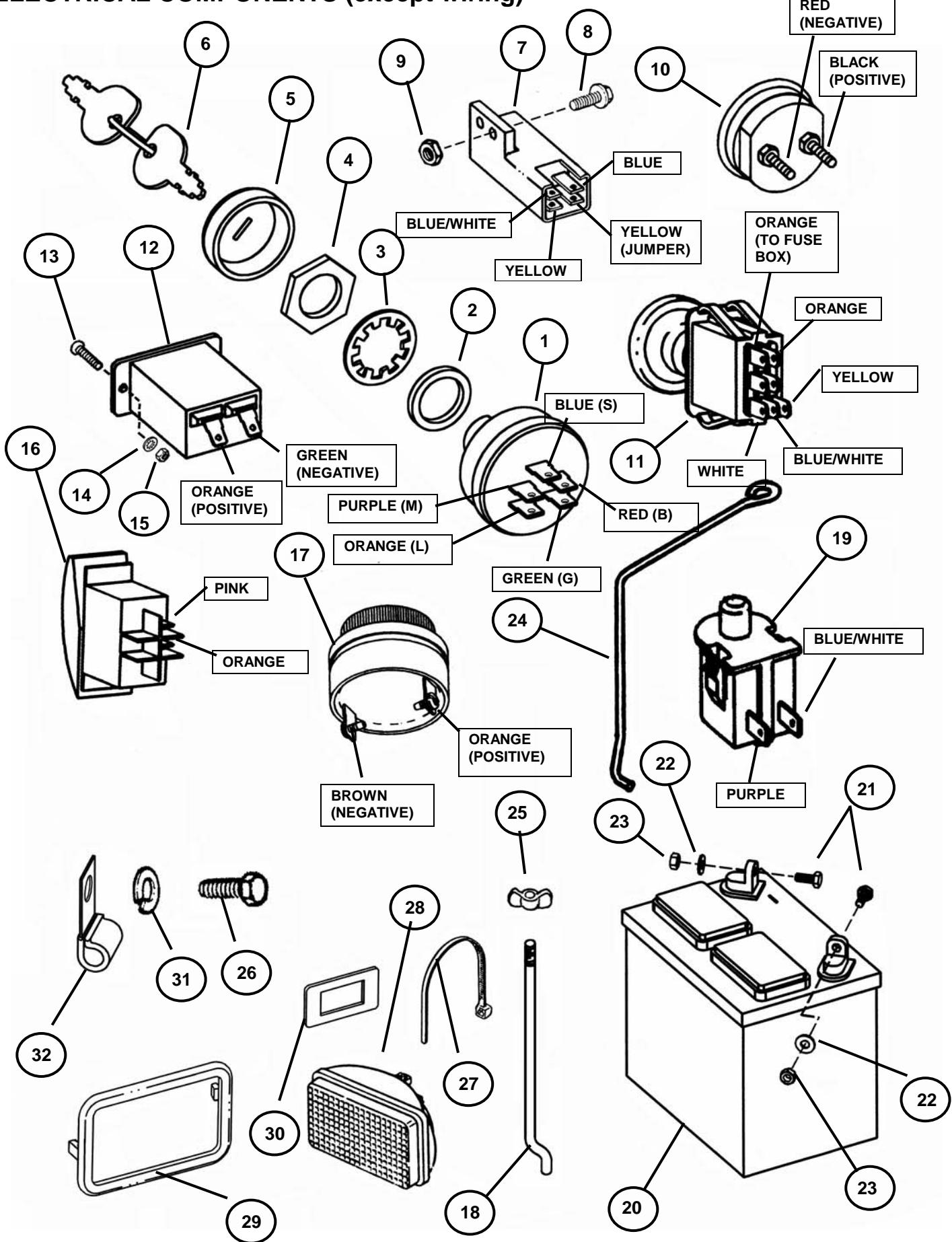


18



ITEM	PART NO.	DESCRIPTION
11	7-3601	DECAL, Throttle/Choke
--	7-2446	DECAL, Throttle/Choke Twin Stick (not shown)
12	7-3647	DECAL, Danger Guard/Catcher
13	4-4640	DECAL, Nameplate Snapper
14	1-3010	DECAL, Warning (Cut-Finger)
15	2-2522	DECAL, Warning
16	4-5107	DECAL, Park Brake
17	4-4793	DECAL, Deck Size (52" only)
18	4-4794	DECAL, Deck Size (61" only)
19	7-1916	DECAL, Snapper (3D)

ELECTRICAL COMPONENTS (except wiring)

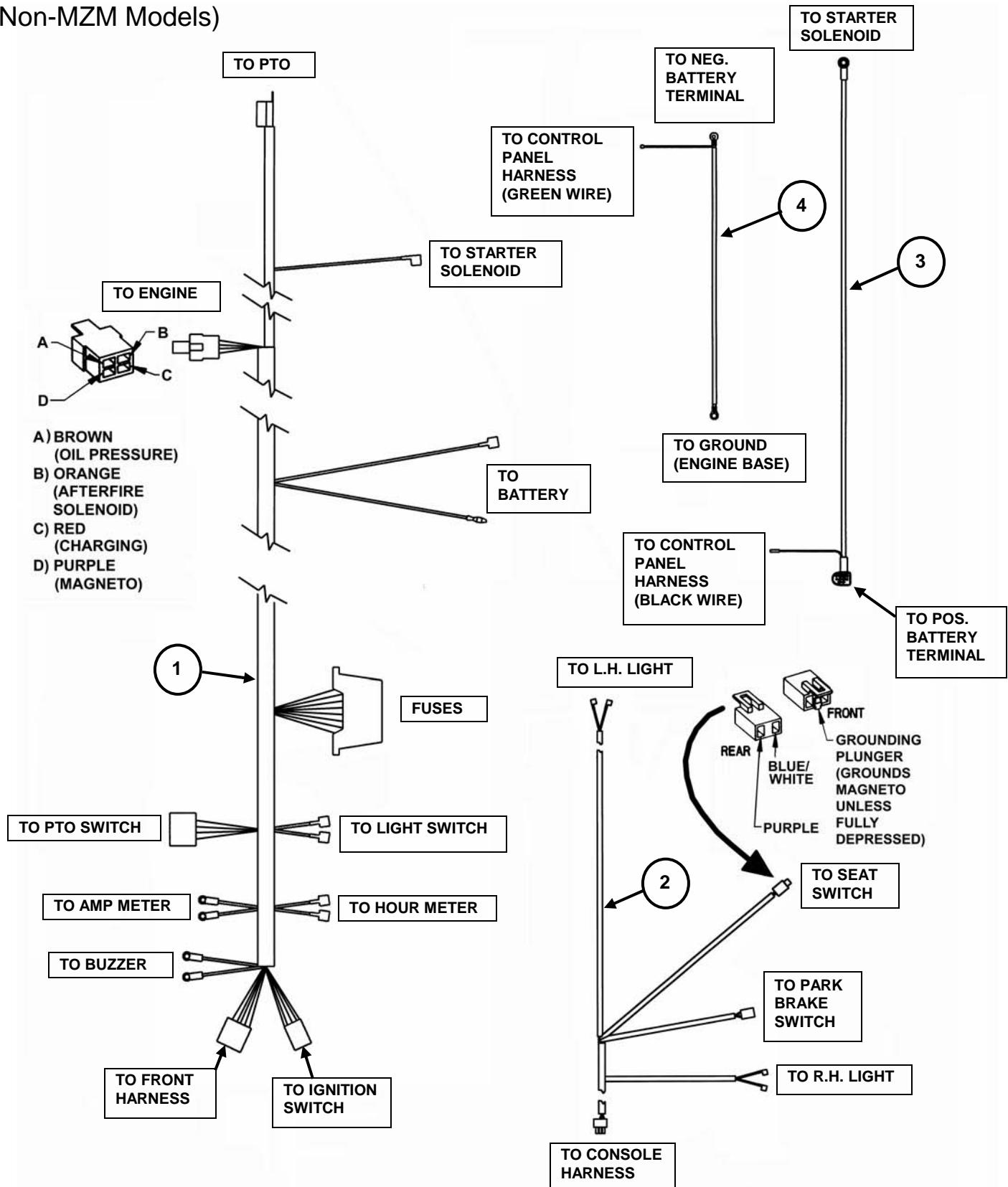


ELECTRICAL COMPONENTS (except wiring)

ITEM	PART NO.	DESCRIPTION
1	2-6343	SWITCH, Ignition- After Fire Solenoid
2	1-6132	SPACER, 5/8"
3	9-1546	WASHER, 5/8" Internal Tooth Lock
4	1-2685	NUT, 5/8-32 Hex
5	2-3506	BEZEL
6	1-1138	KEY, and Ring
7	2-3355	SWITCH, DPDT
8	9-1240	SCREW, #10-32 x 5/8" Hex Machine, Grade. 5 (2)
9	9-0376	NUT, #10-32 Hex Nyloc (2)
10	1-9547	ASSEMBLY, Ammeter and Clamp
11	3-5658	SWITCH, PTO
12	1-5277	HOUR METER, D.C.
13	9-0927	SCREW, #6-32 x 1/2" Round Head Machine (2)
14	9-0926	WASHER, #6 Internal Tooth Lock (2)
15	9-0925	NUT, #6-32 Hex (2)
16	3-5659	SWITCH, Lights
17	7-9208	BUZZER, Pulsing
18	3-2296	BRACKET, Battery Hold Down (1/4-20 Thread)
19	2-3354	SWITCH, Seat NC (see page 28, item 2)
20	3-5610	BATTERY, 11 Plate- 375CCA
21	9-0072	SCREW, 1/4-20 x 5/8", Hex Head Cap Gr. 5 (2)
22	9-1294	WASHER, 9/32 I.D. x 5/8 O.D. Flat (2)
23	9-0372	NUT, 1/4-20 Hex Center Lock Grade B or 5 (2)
24	2-2366	BRACKET, Battery
25	9-1568	WING NUT, 1/4-20
26	9-1304	SCREW, 3/8-16 Hex Head Cap, Grade 5
27	1-2080	CABLE TIE, 7" (15)
28	1-8829	HEAD LIGHT (2)
29	3-5550	BEZEL, Headlight (2)
30	3-5661	SPACER, PTO Switch
31	9-1320	WASHER, 3/8" Split Lock
32	3-5638	CLIP, 3/8" Open Cushioned (2)
33	9-1523	SCREW, 5/16-18 x 5/8 Hex Washer Self-Tap (Swage) (2)
34	9-0585	NUT, 5/16-18 Hex Flange Lock, Grade 5

WIRING HARNESS

(Non-MZM Models)



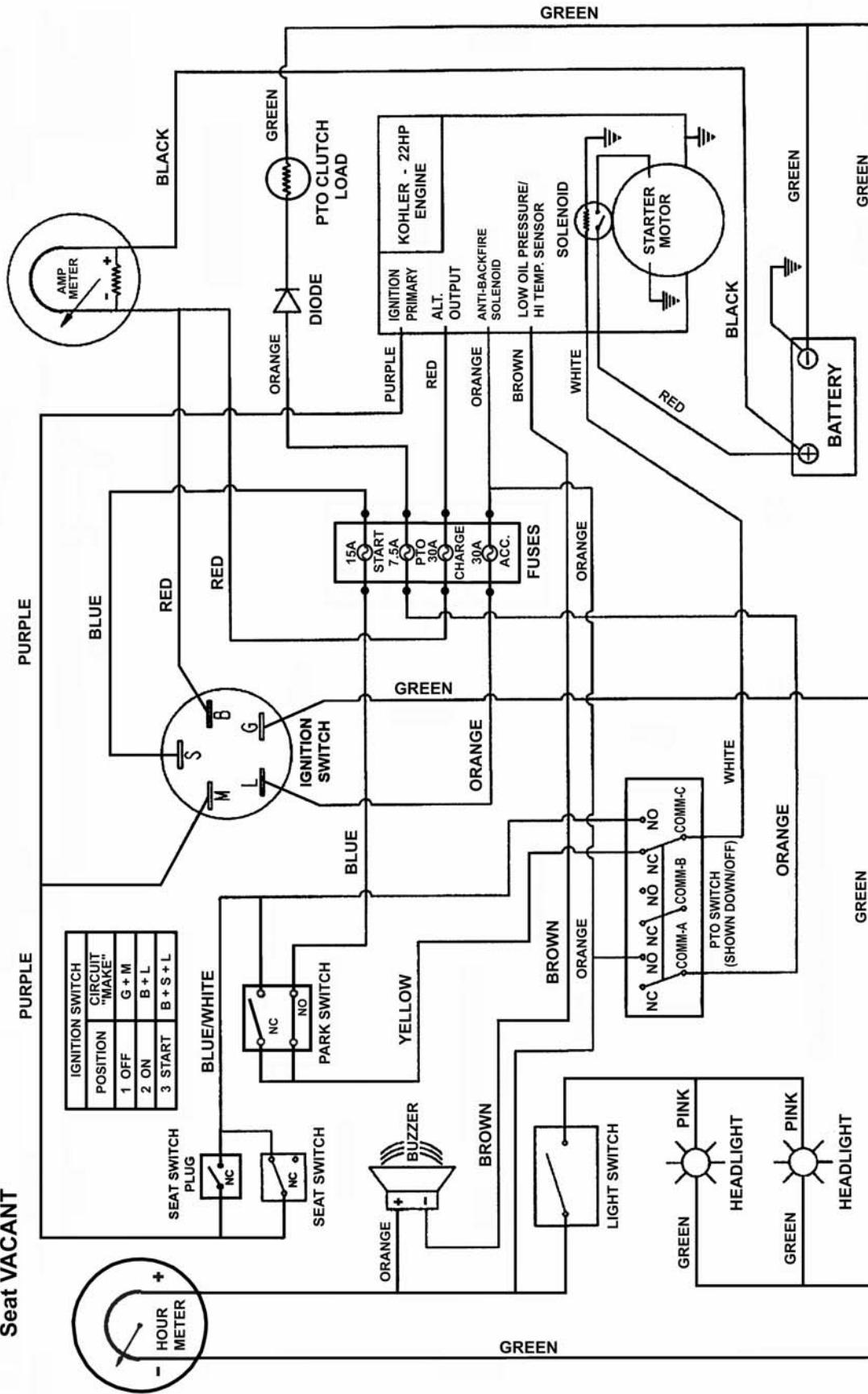
ITEM	PART NO.	DESCRIPTION
1	4-4912	HARNESS, Control Panel
2	4-4913	HARNESS, Front
3	3-5607	CABLE, Battery- Positive (6 Ga., 47")
4	3-5609	CABLE, Battery- Negative (6 Ga., 38")

WIRING SCHEMATIC

(Non-MZM Models)

NOTE: Switches shown with,
Park Lever in Park
PTO in OFF position
Seat VACANT

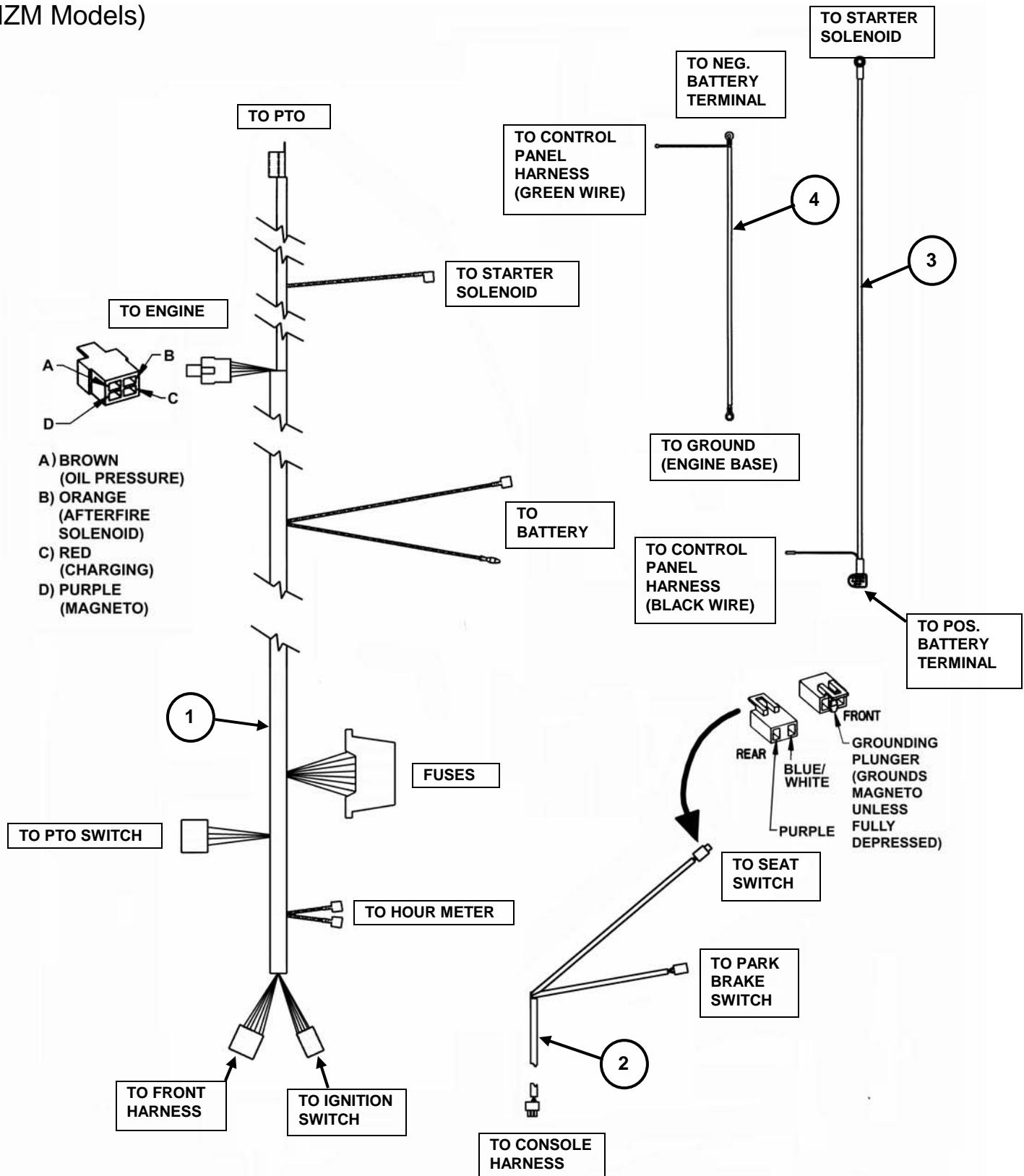
NOTE: Seat Switch Plug makes
continuity if un-plugged.



SCHEMATIC - WIRING HARNESS P.N. 4-9912 / 4-9913

WIRING HARNESS

(MZN Models)



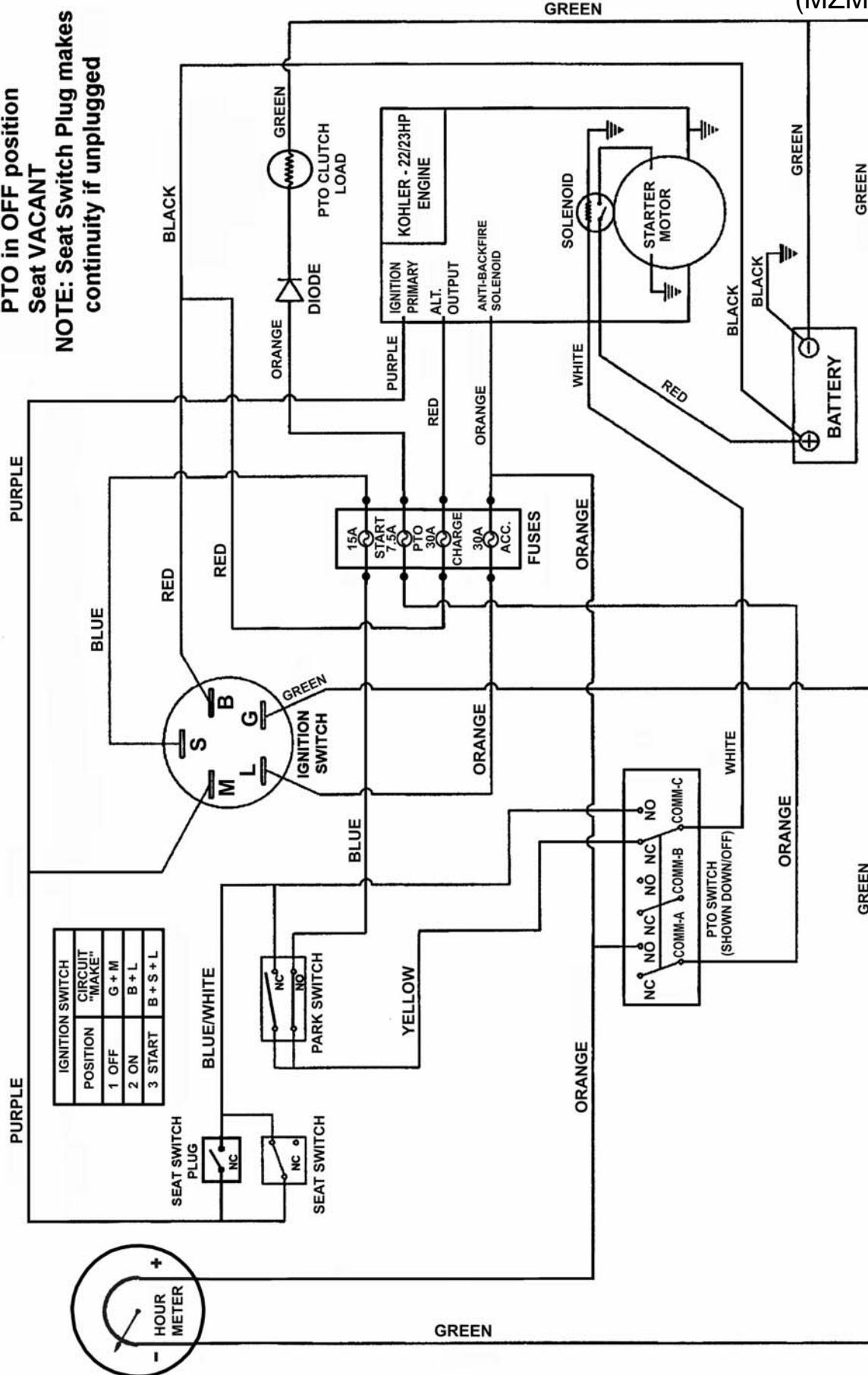
ITEM	PART NO.	DESCRIPTION
1	4-6423	HARNESS, Control Panel
2	4-6422	HARNESS, Front
3	3-5607	CABLE, Battery- Positive (6 Ga., 47")
4	3-5609	CABLE, Battery- Negative (6 Ga., 38")

WIRING SCHEMATIC

(MZM Models)

NOTE: Switches shown with,
Park Lever in PARK
PTO in OFF position
Seat VACANT

NOTE: Seat Switch Plug make
continuity if unplugged



MID MOUNT Z-RIDER

MANUAL No. 06110

Parts Manual for

SNAPPER[®]

**MID MOUNT Z-RIDER™
ZERO TURNING HYDRO DRIVE
SERIES 0, 1, 2**

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MANUAL No. 06110

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